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Catalogue Number

FOR THE SCHOOL YEAR
1932-1933

PUBLISHED BY THE
BRIGHAM YOUNG UNIVERSITY
PROVO, UTAH

1932

JANUARY

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Church School Officers

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WILLARD YOUNG
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JOHN A. WIDTSOE
ADAM S. BENNION
JOSEPH F. MERRILL
ARTHUR WINTER, Secretary-Treasurer

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JOSEPH F. MERRILL

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BOARD OF TRUSTEES

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REED SMOOT
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J. WM. KNIGHT
STEPHEN L. CHIPMAN
JOSEPH REECE
WILLARD YOUNG
JOS. DON CARLOS YOUNG
SYLVESTER Q. CANNON
EDWARD H. HOLT, Secretary-Treasurer

EXECUTIVE COMMITTEE

THOMAS N. TAYLOR
J. WM. KNIGHT
STEPHEN L. CHIPMAN

University Calendar

1932

AUTUMN QUARTER

September 19—First Faculty Meeting.

September 23 and 24—Registration days. Freshman instructions and examinations.

September 26—Registration Continued.

September 27—Instruction begins.

October 16, Sunday—Founder's Day.—(Observed on Monday).

November 23 to 28 (Wednesday evening until Monday morning)—Thanksgiving Recess.

December 16—Autumn Quarter closes.

1933

January 2—Winter Quarter begins.

January 23 to 27—Leadership Week.

March 17—Winter Quarter Closes.

SPRING QUARTER

March 20—Spring Quarter begins.

June 4—Baccalaureate services.

June 6—Alumni Reunions.

June 7—Fifty-Seventh Commencement Exercises.

June 12—Summer Quarter begins.

Administrative Officers

Franklin S. Harris	President
Kiefer B. Sauls	Secretary to the President Purchasing Agent
Edward H. Holt	Secretary-Treasurer
Carma Ballif	Assistant in Secretary's Office
John E. Hayes	Registrar
Christen Jensen	Dean of the Graduate School
Carl F. Eyring	Dean of the College of Arts and Sciences
Herald R. Clark	Acting Dean of the College of Commerce
Amos N. Merrill	Acting Dean of the College of Education
Gerrit de Jong, Jr.	Dean of the College of Fine Arts
Lowry Nelson	Dean of the College of Applied Science Director Extension Division
Hugh M. Woodward	Dean of the Summer Session
Nettie Neff Smart	Dean of Women
Lloyd L. Cullimore	Medical Director
Edgar M. Jensen	Director Training Schools
Anna Ollorton	Librarian

The Faculty*

FRANKLIN STEWART HARRIS .... **President**
B. S., Brigham Young University, 1907; Ph. D., Cornell University, 1911; Student University of Paris, 1927; Instructor, Juarez Academy, 1904-05; Assistant Chemist, Utah Experiment Station, 1907-08; Instructor in Soils, Cornell University, 1907-08; Professor of Agronomy, Utah Agricultural College and Agronomist Utah Experiment station, 1911-21; Director School Agricultural Engineering and Mechanic Arts, 1912-16; Director Utah Experiment Station, 1916-21; President Brigham Young University, 1921—.

GEORGE H. BRIMHALL .... **President-Emeritus**
Professor of Religious Education
B. Pd., Brigham Young University, 1893; D. Sc. D., Church Board of Education, 1898; LL. D., Brigham Young University, 1921; Instructor in Theology, Psychology and Pedagogy, Brigham Young University, 1892-98; Professor of Psychology and Pedagogy 1898-1900; Acting President Brigham Young University, 1900-1902; President, 1904-21; President-Emeritus and Professor of Religious Education 1921—.

JOHN C. SWENSON .... **Professor of Economics and Sociology**
A. B., Stanford University, 1898; M. A., Columbia University, 1921; Graduate work, Columbia University, Summer of 1924; Assistant Professor of English, Brigham Young University, 1898-99; Professor of History and Economics, 1899-1900; Dean of College of Education, 1921-24; Professor of Economics and Sociology, 1906—.

CHARLES E. MAW .... **Professor of Chemistry**
A. B., Stanford University, 1903; S. M. University of Chicago, 1916; Ph. D., Stanford University, 1924 Graduate work, Columbia University, 1916; University of California, 1923; Professor of Chemistry, Brigham Young University, 1903—.

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*The University Council consists of the President and all members of the faculty with the rank of professsor, associate professor, or assistant professor.

ALFRED OSMOND .... **Professor of English**
A. B., Harvard University, 1903; M. A., Columbia University, 1920; Graduate work, University of Chicago, Summer of 1913; Columbia University, Summer of 1920 and the school year 1930-31; Professor of English, Brigham Young University, 1903—.

CHRISTEN JENSEN .... **Professor of History and Political Science, Dean of Graduate School**
A. B., University of Utah, 1907; A. M., Harvard University, 1908; Ph. D., University of Chicago 1921; Graduate work, University of California Summer of 1915; Study in Europe 1928; Assistant Professor of History and Political Science, Brigham Young University, 1908-11; Professor, 1911—; Acting Dean College of Applied Science, 1924-29; Dean Graduate School, 1929—.

ELBERT H. EASTMOND .... **Professor of Art**
Diploma in Normal Art and Manual Training, Pratt Institute, 1902; B. Pd., Brigham Young University, 1906; Student, California School of Fine Arts, Summer, 1915; University of California, and California, School of Arts and Crafts, Summers of 1916 and 1923; Rionido School of Art, Summer of 1918; University of Washington, 1923; Professor of Art, Brigham Young University, 1904—.

AMOS N. MERRILL .... **Professor of Secondary Education Acting Dean College of Education**
B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D., Stanford University, 1926; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1910-22; Dean of Church Teachers' College, 1917-23; Professor of Secondary Education and Supervisor of Secondary Training, 1924—.

EDWARD H. HOLT .... **Professor of Office Practice, Secretary of the Faculty**
B. Pd., Brigham Young University, 1895; Assistant Professor, 1895-1902; Professor of Business Education, 1902-21; Professor of Office Practice, 1921—.

ALICE L. REYNOLDS* .... **Professor of English Literature**
A. B., Brigham Young University, 1910; Graduate

*On leave of absence.

work, University of London, 1911; Two years Graduate work, European Universities; University of California, 1923; Instructor in English, Brigham Young University, 1894-1911; Professor of English Literature, Brigham Young University, 1911—.

CARL F. EYRING .... **Professor of Physics and Mathematics**
Dean of the College of Arts and Sciences

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Research Specialist, Bell Telephone Laboratories, 1929-31; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17; Professor of Physics and Mathematics, 1917—; Dean of the College of Arts and Sciences, 1924—.

VILATE ELLIOTT .... **Professor of Home Economics**

B. Pd., Brigham Young University, 1895; Graduate work Pratt Institute 1907-08; Student State Normal School Santa Barbara, California, 1919-20; University of Chicago, 1922; Study in Europe 1924-25; Floating University, 1930-31; Professor of Home Economics, Brigham Young University, 1908—.

BENJAMIN F. CUMMINGS .... **Professor of Modern and Classical Languages**

A. B., University of Utah, 1913; Graduate work University of Utah, 1920-22; University of Chicago, Summer of 1922; Stanford University, 1923-24; University of Paris, 1930-31; Instructor Modern Languages, Latter-Day Saints University, 1910-12; 1914-20; Instructor Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920—.

FLORENCE JEPPERSON MADSEN .... **Professor of Music**

Music Diploma, Brigham Young University, 1905; Diploma, New England Conservatory of Music, 1909; Diploma, Chicago Musical College, 1925; B. M., 1926; M. M., 1917; Graduate Work in Music, New England Conservatory of Music, 1909-10; Private work, New York, 1919-20; Direcor, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal Art, L. D. S. School of Music and Weber College, 1916-18; Instructor Chicago Musical College Summers of 1927-28, Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920—. Director of Music Mission Play, California, 1928-29; Director of Music, The McGroarty Plays, California, 1930—.

THOMAS L. MARTIN .... **Professor of Agronomy**
A. B., Brigham Young University, 1912; Ph. D. Cornell University, 1919; Study in Europe, 1930; Principal, Big Horn Academy, 1912-15; Emery Stake Academy, 1916-17; Millard Academy, 1919-21; Instructor in Soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921—.

HUGH M. WOODWARD .... **Professor of Philosophy of Education, Dean of Summer Session**
A. B., Brigham Young University, 1911; M. A., University of Utah, 1918; Ph. D., University of California, 1920; Principal, St. George Academy, 1911-14; President Dixie Normal College, 1914-20; Fellow-Teacher, University of California, 1919-20; Assistant Director Educational Work, Bureau of Public Health, Washington, D. C., 1920-21; Professor of Education, University of Washington, Summer of 1925; Dean Summer Session, Brigham Young University, 1921-27; 1930—; Professor on University Afloat, 1928-29; Professor of Philosophy of Education, Brigham Young University, 1921—.

WILLIAM J. SNOW .... **Professor of History**
A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Principal Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor of History, 1917—.

T. EARL PARDOE .... **Professor of Speech**
Graduate of Leland Powers School, 1913; A. B., Brigham Young University, 1925; Graduate work Columbia University, 1924-25; University of Southern California, 1929-31; Head of Department of Dramatic Art and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public

Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor, 1922—.

M. WILFORD POULSON .... **Professor of Psychology**
A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate work, University of Chicago, 7½ Quarters from 1916 to 1925; Assistant Professor of Education, Brigham Young University, 1916-19; Associate Professor, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

VASCO M. TANNER .... **Professor of Zoology and Entomology**
A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head of Department of Biology, Dixie College, 1916-18, 1920-24; Professor of Zoology and Entomology, Brigham Young University, 1925—.

HERALD R. CLARK .... **Professor of Finance and Banking, Acting Dean of the College of Commerce**
A. B., Brigham Young University, 1918; M. B. A., University of Washington, 1924; Graduate work Ohio State University, 1927-28; Instructor in Accounting, Brigham Young University, 1913-17; Assistant Professor of Finance and Banking, 1917-27; Associate Professor of Finance and Banking, 1927-28; Professor, 1928—.

PARLEY A. CHRISTENSEN .... **Professor of English**
B. S., Utah Agricultural College, 1914; A. M., Stanford University of California, 1925; Ph. D., Stanford University, 1927; Student University of California, Summer of 1915; Assistant Professor of English, Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor of English, Brigham Young University, 1927-28; Professor, 1928—.

G. OTT ROMNEY .... **Professor of Physical Education and Director of Athletics**
A. B., University of Utah, 1912; M. A., University of Utah, 1913; Harvard University, Graduate School of Business Administration, 1913-14; B. S., Montana State College, 1916; Athletic Coach and Instructor, Billings (Montana) High School, 1916-1918; U. S.

Naval Aviation, 1918-19; Director Physical Education and Athletic Coach, East Salt Lake High School, 1919-1922; Director of Athletics, Professor of Physical Education and Vice-Dean of Men, Montana State College, 1922-1928; Instructor (History, Government, Economics) Montana State Normal College, Summers of 1926-27-28; Professor of Physical Education and Director of Athletics, Brigham Young University, 1928——.

GERRIT de JONG, JR. .... **Professor of Modern Languages**
Dean of College of Fine Arts

A. B., University of Utah, 1920; M. A., 1925; Graduate work, National University of Mexico, 1921; University of Utah, Summers of 1923 to 25; University of Munich, 1927, Stanford University the school year 1931-32; Instructor Murdock Academy, 1916-18; Instructor, Latter-Day Saints University 1919-25; Associate Professor of Modern Languages, Brigham Young University, 1925-29; Professor 1929—; Dean of College of Fine Arts, Brigham Young University, 1925—.

LOWRY NELSON .... **Professor of Rural Social Economics,**
Dean College of Applied Science,
Director of Extension Division

B. S., Utah Agricultural College, 1916, M. S. University of Wisconsin, 1924; Ph. D., University of Wisconsin, 1929; Assistant State Leader County Agents, Utah Agricultural College, 1917-1918; Editor Utah Farmer, 1920-1921; Director of Extension Division, Brigham Young University, 1921—; Assistant Professor of Sociology, 1924-27; Associate Professor of Sociology, 1927-29; Professor of Rural Social Economics and Dean of College of Applied Science, Brigham Young University, 1929—.

GEORGE H. HANSEN .... **Professor of Geology and**
Geography

B. S., Utah Agricultural College, 1918; M. S., George Washington University, 1925; Ph. D. George Washington University, 1927; Field Work with U. S. Geological Survey, Summers of 1918, 1925, 1926 in Utah, Colorado and New Mexico; Assistant Professor of Geology and Geography, Brigham Young University, 1927-29; Professor of Geology and Geography 1929—.

ELMER MILLER .... **Professor of Economics**
A. B., Stanford University, 1914; Graduate work, Stanford University, 1914-15; 1929-30; University of Chicago, Summer of 1916 & 1919; University of California, Summers of 1918 and 1921; Instructor Dixie Normal College, 1911-12; Principal Pleasant Grove High School, 1915-16; Principal South Sanpete High School, 1916-17; Lehi High School, 1917-19; Davis County High School, 1919-22; Superintendent Alpine School District, 1922-25; Associate Professor of Economics, Brigham Young University, 1923-29; Professor of Economics, 1930—.

MILTON MARSHALL .... **Professor of Physics**
A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor of Physics, Brigham Young University, 1919-21; Assistant Professor, 1924-27; Associate Professor, 1927-30; Professor, 1930—.

GUY C. WILSON .... **Professor of Religious Education**
B. Pd., Brigham Young University, 1900; Summer Schools of Brigham Young University, University of Utah, University of Chicago, Columbia University; Instructor, Brigham Young University, 1896-97; Columbia University the school year, 1912-1913; Principal Juarez Stake Academy, 1897-1912; Teacher of Granite Seminary, 1913-15; President Latter-Day Saints University, 1915-26; Supervisor of Religious Education, 1926-30; Professor of Religious Education, Brigham Young University, 1930—.

BENT F. LARSEN .... **Professor of Art**
A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Student of University of Chicago, Summer of 1912; of Art Institute of Chicago, Summer of 1922; Graduate work, Academie Julian, Paris, 1923-24; Academie Colarossi, Paris, 1923; Academie de La Grande Chaumiere, Paris, 1924; Student in Europe for sixteen months, 1929-30, with George Elmer Brown Art Group and in the Academie Andre' L'Hote; Supervisor of Art, B. Y. U. Training School, 1908-12; Associate Professor of Art, 1912-1931; Professor of Art, 1931———.

LEROY J. ROBERTSON* .... **Professor of Music**
Graduate of New England Conservatory of Music,

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*On leave of absence.

1923; Instructor North Cache High School, 1923-24; Pleasant Grove High School, 1924-25; Instructor of Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor of Music, 1927-31; Professor of Music, 1931——.

HARRISON R. MERRILL .... **Professor of Journalism**
B. S., Utah Agricultural College, 1916; Graduate work, Utah Agricultural College, 1920; Brigham Young University, Summers of 1921 to 1923; Medill School of Journalism, North-western University, 1927; M. S. Pulitser School of Journalism, Columbia University, 1930; Instructor in English, Oneida Academy, 1912-20; Instructor in English, Brigham Young University, 1921-23; Assistant Professor, 1923-29; Associate Professor of English, 1930-31; Professor of Journalism, 1931——.

FRANKLIN MADSEN .... **Professor of Music**
Graduate, New England Conservatory of Music, 1915; student of European Music Teachers, 1912-13-14 and 1923; A. B., Brigham Young University, 1925. M. A., Brigham Young University, 1931. From the Chicago Musical College; Graduate Diploma, 1925; Teachers' Certificate in Vocal Art and Singing, 1927; B. M., 1926, M. M., 1927; B. M. E., 1928; Mus. Doc., 1929. Supervisor of Music Jordan District and Instructor in Music Jordan High School, 1916-17; Supervisor of Music Nebo District and instructor in Music Springville High School, 1917-18; Magna High School 1919-20; Instructor Chicago Musical College, Summers of 1927-28-29-30 and the winter 1927-28; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924-30; Associate Professor of Music, 1930-31; Professor of Music, 1931—.

GEORGE STEWART .... **Special Professor of Agrononmy**
B. S., U. S. A. C., 1913; M. S., Cornell University, 1918; Ph. D., University of Minnesota, 1926; Professor of Agronomy, U. S. A. C., 1919-1930; Senior Ecologist, Branch Research U. S. Forest Service, 1930—; Special Professor of Agronomy, Brigham Young University, 1932—.

LLOYD L. CULLIMORE .... **Medical Director**
B. S., University of Utah, 1922; M. D., George Wash-

ington Medical College, 1925; Instructor in Physiology, George Washington Medical College, 1925-26; Utah State Board of Health, Epidemiology, Child Health Department, 1926-1927; Health Education, Brigham Young University, Summer of 1927; Assistant Medical Director, 1928-29; Medical Director, 1929——.

L. WESTON OAKS .... **Associate Medical Director**
M. D., Jefferson Medical College, 1919; Graduate work, Colorado Congress Otolaryngology, Denver, Summers of 1923, 1924, and 1925; Assistant Medical Director, Brigham Young University, 1924-1925; Medical Director, 1925-29; Associate Medical Director, 1929——.

ROBERT SAUER .... **Associate Professor of Music**
Graduate of Music School of Dresden, Germany; Student Siegel Meyer Music Conservatory of Chicago 1905; Instructor of Music, Brigham Young University, 1905-20; Assistant Professor of Music, 1920-24; Associate Professor of Music, 1924—.

J. MARINUS JENSEN .... **Associate Professor of English**
A. B., Brigham Young University, 1912; M. A,. University of Chicago, 1919; Graduate work University of California, Summer of 1920; Stanford University, 1924-25; Instructor in English, Brigham Young University, 1910-19; Asssistant Professor of English, 1919-21; Associate Professor, 1921—.

HORACE G. MERRILL .... **Associate Medical Director**
A. B., Brigham Young University, 1914; M. D., Jefferson Medical College, 1908; F. A. C. S., American College of Surgeons, 1922; Graduate work, University of Edinburgh, 1913; University of Pennsylvania, 1921-22; North Chicago Hospital, 1915-16; Associate Medical Director, Brigham Young University, 1922—.

JOSEPH SUDWEEKS .... **Associate Professor of Educational Administration**
B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-1923; Assistant in Department of Education, University of

Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.

CLARENCE S. BOYLE .... **Associate Professor of Accounting and Business Administration**
B. S., Brigham Young University, 1924; M. S. in Retailing, New York University, 1926; Graduate work, New York University, Summer of 1926, Winter of 1926-27, Summer of 1927; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927 — .

ELIZABETH CANNON .... **Associate Professor of Home Economics**
B. S., Utah Agricultural College, 1919; Graduate work, Columbia University, 1922-23; Graduate Dietitian Walter Reid General Hospital, Washington, D. C., 1928; Instructor, Latter-Day Saints University, 1920-22; Instructor in Foods and Nutrition, Brigham Young University, 1923-25; Assistant Professor, 1925-27; Associate Professor, 1928——.

EFFIE WARNICK .... **Associate Professor of Home Economics**
B. S., Utah Agricultural College, 1914; Graduate work, Summer of 1915; Columbia University, Summer of 1921; University of California, Summer of 1925; Graduate Work University of Chicago, 1928-1929; Instructor, Branch Agricultural College, 1914-15; Pleasant Grove High School, 1915-22; Instructor in Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration, 1923-27; Assistant Professor 1927-30; Associate Professor, 1930—.

WAYNE B. HALES .... **Associate Professor of Physics and Mathematics**
A. B., Brigham Young University, 1916; M. A., University of Utah, 1922; Ph. D., California Institute of Technology, 1926; Head of Physics and Mathematics Department, Ricks College, 1916-21; President, Snow College, 1921-1924; Teaching Fellow, California Institute, 1924-1926; Head of Physics Department, Weber College, 1926-30; Associate Professor of Physics, Brigham Young University, 1930—.

LAVAL S. MORRIS* .... **Associate Professor of Horticulture**
B. S., Utah Agricultural College, 1923; M. S., Michigan State College, 1926; Graduate work, University

*On leave of absence.

of Southern California, 1930; at Harvard, 1930-32; Instructor in Horticulture, Brigham Young University 1923-26; Assistant Professor, 1926-31; Associate Professor, 1931—.

ASAEL C. LAMBERT.............................. **Associate Professor of Educational Administration**

B. S., Brigham Young University, 1925; M. S., 1926; Graduate work Stanford University Summer quarters, 1928, 29; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal University High School, 1926-1928; Assistant Professor of Secondary Teaching, 1927-32; Associate Professor, 1932—.

SIDNEY B. SPERRY .... **Associate Professor of Religious Education**

A. B., University of Utah, 1917; M. A., University of Utah, 1927; Ph. D., University of Chicago, 1931; Student American School of Oriental Research, 1931-32; Principal American Fork Seminary, 1922-24; Weber Seminary 1924-25; Pocatello Seminary 1927-28; Director L. D. S. Institute, Moscow, Idaho, 1929-31; Associate Professor of Religious Education, Brigham Young University, 1932—.

MARY J. OLLORTON* .... **Assistant Professor of Elementary Education**

A. B., Brigham Young University, 1913; M. A., Columbia University, 1926; Graduate work, University of Chicago, 1913, 1914, and 1916; Columbia
*On leave of absence.
University, 1913; Director of Training School Brigham Young University, 1913-18; Assistant Professor of Elementary Education, 1919—.

IDA SMOOT DUSENBERRY .... **Assistant Professor of Psychology**

B. Pd., Brigham Young University, 1905; Kindergarten Normal Diploma, Brigham Young University, 1904; Graduate Chaurecey Hall College, Boston, 1908; Graduate Emerson College of Oratory, Boston, 1909; Graduate work Pestalozzi Froebel House, Berlin, Germany, 1912-13; Graduate work Columbia University, 1914-15, 1920-21; Summer School work, Columbia University, 1915 and 1921, University of Washington, 1916, University of California, 1927; Study in Europe, 1919-20; Director of Kindergarten Training, Brigham Young University, 1910-21; Assistant Professor Floating University, 1930-31; Assistant Professor of Psychology, Brigham Young University, 1921—.

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*On leave of absence.

HERMESE PETERSON .... **Assistant Professor of Elementary Education**

B. S., Brigham Young University, 1928; Normal Training Student, Brigham Young University; Brigham Young College; Utah Agricultural College, 1906-08; Columbia University, 1917; University of Utah, 1919; University of California, 1922; University of Chicago, 1922-23; Primary Supervisor of Alpine School District, 1908-12; Study in Europe 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923—.

WILLIAM H. BOYLE .... **Assistant Professor of Elementary Education**

A. B., Brigham Young University, 1913; M. A., 1923; Graduate work, University of California, 1917 and 1923; Graduate work, University of Southern California, 1929-30; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Education, 1923—.

WILLIAM H. SNELL ....**Assistant Professor of Mechanic Arts**

A. B., Brigham Young University, 1918; Graduate work, Bradley Polytechnic Institute, Summer of 1919; Brigham Young University, Summers of 1924 and 1925; Instructor in English, Brigham Young University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921—.

EMMA BROWN .... **Assistant Professor of Elementary Education**

B. S., Columbia University, 1924; Student, University of Chicago, Summers of 1914 and 1918; Study in Europe 1928; Critic Teacher, University of Utah, 1908-10; Primary Supervisor, Box Elder County, 1913-15; Nebo School District, 1917-22; Primary Supervisor, Brigham Young University Training School, 1923-25; Assistant Professor of Elementary Education, 1925—.

ED. M. ROWE* .... **Assistant Professor of English**
A. B., Brigham Young University, 1923; Graduate work, Utah Agricultural College, Summer of 1924; Brigham Young University, 1924-25; University of Chicago, Summers of 1925 to 1929; Principal Spanish Fork High School, 1910-12; Instructor in English, Brigham Young University, 1924-27; Assistant Professor, 1927—.

CHARLES J. HART .... **Assistant Professor in Physical Education and Athletics**
B. S., Utah Agricultural College, 1922; Graduate work, Utah Agricultural College, 1923; University of Wisconsin, Summer of 1925; New York University, school year 1931-32; Instructor Teton High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young Univrsity 1925-27; Assistant Professor, 1927—.

EDGAR M. JENSON .... **Assistant Professor of Educational Administration, Director of Training Schools**
A. B., Brigham Young University, 1916; M. A., Brigham Young University, 1919; Graduate work, Stanford University, 1926-27; Head of Department of Education, Dixie College, 1919-1923; President Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor in Educational Administration and Principal University High School, 1928—; Director of Training Schools 1930—.

WILMA JEPPSON .... **Assistant Professor of Physical Education for Women**
B. S., Brigham Young University, 1927; Student University of California, Summer of 1921; University of Wisconsin, Summer of 1925; Columbia University, 1920-30, M. S., Columbia University, 1930; Instructor in Physical Education for Women, Brigham Young University, 1923-30; Assistant Professor, 1930—.

ALONZO J. MORLEY .... **Assistant Professor of Speech**
A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department,

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*On leave of absence.

Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1928-30; Assistant Professor, 1930—.

WILLIAM F. HANSON .... **Assistant Professor of Music**
Music Diploma, Brigham Young University, 1907; Teacher's Certificate, Chicago Musical College, 1924; Private work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch, and H. B. Maxyott, 1924; Supervisor High School Music, Vernal, 13 years; Supervisor Public School Music, Brigham Young University, 1924-25; Acting Head of Music Department, 1925-26, and Summer Sessions of 1925-26-27; Instructor in Music, 1926-31; Assistant Professor, 1931—.

H. GRANT IVINS .... **Assistant Professor of Animal Husbandry**
B. S., Utah State Agricultural College, 1917; Instructor in Animal Husbandry, Brigham Young University, 1929-31; Assistant Professor, 1931—.

KARL E. YOUNG .... **Assistant Professor of English**
B. S., Utah State Agricultural College, 1924; graduate work at Harvard University 1924-25; student at Oxford, England, 1927 to 1930; Instructor in Logan High School 1925-26; Instructor in English, Brigham Young University, 1930-31; Assistant Professor of English, 1932—.

GEORGE S. BALLIF .... **Lecturer in Law**
A. B., Brigham Young University, 1921; Student Harvard Law School, 1921-22; J. D. University of California Law School, 1924; Lecturer in Law, 1929—.

JOHN E. HAYES .... **Registrar**
B. S., Brigham Young University, 1924; Instructor, Brigham Young University, 1903—. Registrar, 1904—.

ANNA OLLORTON .... **Librarian**
A. B., Brigham Young University, 1913; Graduate work, University of Chicago, 1914-15; University of Utah, Summer of 1914; Chautauqua, New York Summer School, 1919 and 1923; Columbia University 1930-31; Assistant Librarian Brigham Young Univer-

sity, 1919-23; Acting Librarian, 1923-31; Librarian, 1931—.

ANNIE L. GILLESPIE .... **Library Cataloguer**
Principal West School, Provo, 1883-84; Assistant Librarian, Brigham Young University, 1906-11; Librarian, 1912-23; Cataloguer, 1923—.

KIEFER B. SAULS .... **Secretary to the President**
Purchasing Agent
B. S., Utah Agricultural College, 1920; Graduate work, 1920-21; Secretary to Director, Utah Agricultural Experiment Station, 1917-21; Secretary to President and Purchasing Agent, Brigham Young University, 1921—.

NETTIE NEFF SMART .... **Dean of Women**
Normal Diploma, Brigham Young University, 1898; Student, Cornell University, 1907-09; Instructor Provo High School, 1920-21; Provo City Schools, 1921-25; Instructor, Brigham Young University Training School, 1904-05; Dean of Women, 1925—.

PERCIVAL P. BIGELOW .... **Instructor in Auto Mechanics**
Student, University of Michigan, Summer of 1922; Brigham Young University Summers of 1923, 1924, and 1925; Head Mechanic, Utah Packard Motor Company, 1916; Foreman, Superior Motor Co., 1917-18; Mechanic, Hudson Motor Car Company, Detroit, 1919; Instructor in Auto Mechanics, Brigham Young University, 1919—.

BERTHA ROBERTS .... **Instructor in Office Practice**
A. B., Brigham Young University, 1926; Student Durango Business College, 1922; University of Utah, Summer of 1926; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919—.

NEWBERN I. BUTT .... **Library and Research Assistant**
B. S., Utah Agricultural College, 1915; Graduate work, 1915-17; Assistant Agronomist, Utah Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922—.

ANNA EGBERT .... **Instructor in English**
B. S., Utah Agricultural College, 1921; Graduate

work, Brigham Young University, Summers of 1922 and 1923; Columbia University, 1925-26, 1930-31; Instructor North Cache High School, 1922-23; Instructor in Dramatic Art, Brigham Young University, 1923-26; Instructor in English, 1926—.

A. REX JOHNSON* .... **Instructor in Office Practice**
Manager Stenographic Bureau

B. S., Brigham Young University, 1924; M. A., George Washington University, 1931; Graduate work, University of Washington, Summer of 1926; and George Washington University, 1931-32; Head of Business Department, Provo High School, 1921-22; Fielding Academy, 1922-23; Instructor in Office Practice, 1924—.

ELSIE C. CARROLL .... **Instructor in English**

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1928; Student, Cornell University, 1914; University of Chicago, 1915; Stanford University, Summer of 1924; Head of English Department, Kanab High School, 1917-18; Provo High School, 1919-20; Instructor in English, Brigham Young University, 1926—.

STELLA P. RICH .... **Instructor in English**

B. S., Brigham Young University, 1926; Instructor in the Public Schools of Utah and Idaho, 1911-1927; Student, University of Illinois, Summer of 1925; Instructor, Brigham Young University, Summer of 1926; Instructor in English, Brigham Young University, 1927—.

HUGH W. PETERSON .... **Instructor in Chemistry**

A. B., 1916; M. A. 1928, Brigham Young University; Student at University of Utah 1916-17; at Utah State Agricultural College, 1924; at State University of Iowa, 1930; Teacher in High Schools of Wyoming and Utah 1917-1927; Instructor in Chemistry, Brigham Young University, 1927—.

ELLA LARSEN BROWN .... **Assistant Librarian**

Student Cook County Normal School, 1891-92; Columbia University, 1905-06; Primary Supervisor, Utah County Schools, 1900-1902; Director Brigham

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*On leave of absence.

Young University Training School, 1902-1908; Assistant Librarian, Brigham Young University, 1923—.

FRED W. DIXON .... **Instructor in Physical Education and Athletics**
B. S., Brigham Young University, 1926; Instructor in Physical Education and Athletic Director at Weber County High School, 1926-28; Graduate work at U. A. C., Summer of 1928; Instructor in Physical Education and Athletics, Brigham Young University, 1928——.

C. LAVOIR JENSEN .... **Instructor in Mathematics**
Student Brigham Young College 1916-18; University of Utah 1914-15; Instructor Logan High School 1915-16; Principal Midvale Schools, 1917-21; Instructor, Brigham Young University High School, 1921—.

GRACE NIXON STEWART .... **Special Instructor in Speech**
B. S., Brigham Young University, 1925; Student University of London, 1925-27; Special Instructor in Speech, Brgham Young University, 1928——.

GLADYS D. BLACK .... **Instructor in English**
Ph. B., University of Chicago, 1924; M. A., Columbia University, 1930; Instructor in English, Provo High School, 1924-26; Instructor in English, Central High School, Springfield, Illinois, 1927-28; Instructor in English, Brigham Young University, 1928—.

BESSIE IVERSON MEILING .... **Instructor in Physical Education for Women**

A. B., Brigham Young University, 1929; M. A., Brigham Young University, 1932; Instructor in Physical Education, 1929—.

BILLIE HOLLINGSHEAD .... **Instructor in Mathematics**

A. B., Texas State College for Women, 1922; Graduate work Columbia University, Summer of 1925; M. A., Brigham Young University, 1929.; Instructor in Valdez High School, Valdez, Alaska, 1922-23; Instructor in Star Valley High School, 1924-26; Instructor in Kohala High School, Kohala, Hawaii, 1927-28; Instructor in Brigham Young University High School, 1929——.

CARMA BALLIF .... **Assistant in Secretary's Office**
B. S., Brigham Young University, 1927; Assistant in Secretary's Office, 1927——.

MARGARET SUMMERHAYS .... **Instructor in Music**
Graduate of New England Conservatory of Music, 1916; Studied voice building with Fredrick H. Haywood, 1920 to 1923; with Mme Sophie Cehanovske, summer of 1927; with Edmund G. Meyer, summer of 1928-29; Special Instructor in Music at Brigham Young University, 1927-29; Instructor in Music, 1930—.

MARGARET SWENSON .... **Instructor in Home Economics**
B. S., Brigham Young University, 1926; Instructor in Richfield High School, 1926-29; Instructor in Brigham Young University, 1929—.

W. ELMO COFFMAN .... **Instructor in Science**
B. S., Utah State Agricultural College, 1920; Instructor in Payson High School, 1920-21; Instructor in Springville High School, 1921-28; Principal Minersville High School, 1928-29; Graduate work Brigham Young University, summer of 1927. and at University of Utah, summer of 1928. Instructor in Science, Brigham Young University, 1929—.

EDNA SNOW .... **Instructor in Science**
B. S., Brigham Young University, 1924; Graduate student University of California, 1928; M. S., Brigham Young University, 1931; Instructor in Science, Brigham Young University, 1929—.

ETTA SCORUP .... **Instructor in Home Economics**
B. S., Brigham Young University, 1927; graduate work Oregon Agricultural College, 1927, and at the University of Chicago, 1928-29; Instructor in Parowan High School 1927-28; and in Weber County High School, 1929-30; Instructor in Home Economics, Brigham Young University, 1930—.

BLANCHE THOMAS .... **Instructor in Office Practice**
B. S., Brigham Young University, 1930; Instructor in Office Practice, 1930—.

OA LLOYD .... **Instructor in Office Practice**
Assistant in Office Practice, Brigham Young University, 1928-30; Instructor 1931—.

C. LYNN HAYWARD .... **Instructor in Zoology**
B. S., Brigham Young University, 1927; M. S., Brigham Young University,, 1931; Instructor in Fielding High School, 1927-30; Assistant in Zoology, Brigham Young University, 1930-31; Instructor, 1931—.

BERTRAND F. HARRISON .... **Instructor in Botany**
B. S., Brigham Young University, 1930; M. S., Brigham Young University, 1931; Assistant in Botany, Brigham Young University, 1930-31; Instructor in Botany, 1931—.

J. KNIGHT ALLEN .... **Instructor in Accounting and Business Administration**
B. S., Brigham Young University, 1926; M. B. A., Stanford University, 1930; Special Instructor in Brigham Young University, 1930-31; Instructor in Accounting and Business Administration, 1931—.

GUSTAVE BUGGERT .... **Instructor in Music**
Graduate of Music School of Madgeburg, Germany; Instructor in Music, Brigham Young University, 1930—.

SETH T. SHAW .... **Instructor in Horticulture**
B. S., Utah State Agricultural College, 1931; M. A., Utah State Agricultural College 1932; Instructor in Horticulture, Brigham Young University, 1931—.

NAOMI N. ROBERTSON .... **Instructor in Home Economics**
B. S., Utah State Agricultural College, 1924; Instructor Pleasant Grove High School, 1924-25; Instructor in Home Economics, Brigham Young University, 1932—.

MAY BILLINGS .... **Instructor in Home Economics**
Special student at summer schools of Columbia University, 1920; Brigham Young University, 1924; Utah State Agricultural College, 1926; University of California, 1928; Colorado Agricultural College, 1931; University of Utah, school year 1931-32; Instructor in Clothing, Latterday Saints University, 1920-31; Instructor in Home Economics, Brigham Young University, 1932—.

ALINE COLEMAN .... **Instructor in Physical Education for Women**
Assistant in Physical Education for Women, Brigham Young University, 1929-32; Instructor, 1932—.

ALBERT SHEPHERD ....Instructor in Violin
Special Instructor in Violin, Brigham Young University 1932—.

ORVILLE POLLEY .... Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in Chemistry, Brigham Young University, 1930—.

HAROLD COLVIN .... Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in Chemistry, Brigham Young University, 1930—.

ALVA JOHANSEN .... Assistant in Chemistry
A. B., Brigham Young University, 1931; Assistant in Chemistry, Brigham Young University, 1931—.

LESTER B. WHETTEN .... Assistant in Spanish
Assistant in Spanish, Brigham Young University, 1930—.

JOHN WING .... Assistant in Chemistry
Assistant in Chemistry, Brigham Young University, 1931—.

TRAINING SCHOOL FACULTY

MARY C. HAMMOND, Instructor in Elementary Training School.
BARBARA MAUGHAN, B. S., Instructor in Elementary Training School.
GLADYS KOTTER, B. S., Instructor in Elementary Training School.
GEORGIA MAESER, B. S., Instructor in Elementary Training School.
JENNIE CAMPBELL, B. S., Instructor in Elementary Training School.
THELMA LUDLOW, A. B., Instructor in Elementary Training School.
HAZEL CLYDE, M. A., Instructor in Kindergarten.

SPECIAL INSTRUCTORS

ELMER NELSON, Instructor in Piano.
HANNAH C. PACKARD, Special Instructor in Vocal Music.
GEORGE W. FITZROY, Special Instructor in Piano.
BESSIE E. GOURLEY, Assistant in Art.

BRIGHAM T. HIGGS, Superintendent Buildings and Campus.

J. W. SAULS, Associate Superintendent Buildings and Campus.

STANDING COMMITTEES

The President is ex-officio a member of all committees.

Admission and Credits—John E. Hayes, G. H. Hansen.

Aiding Graduates to Obtain Employment—A. N. Merrill, K. B. Sauls, The Deans.

Alumni Directory—K. B. Sauls.

Athletics—P. A. Christensen, G. O. Romney, J. W. Knight, H. R. Merrill, K. B. Sauls, H. Grant Ivins, President of Student Body, President of Alumni Association, C. L. Jensen, Manager of Athletics.

Attendance and Scholarship—W. H. Boyle, T. L. Martin, Knight Allen, Bertha Roberts.

Awards and Prizes—Alonzo Morley, Franklin Madsen, T. E. Pardoe.

Campus—Seth Shaw, E. H. Eastmond, T. L. Martin.

Care of Girls and Women's Activities—Dean of Women, Margaret H. Eastmond, Effie Warnick, Hermese Peterson.

Catalogue and Other Quarterlies—E. H. Holt, J. E. Hayes, K. B. Sauls, N. I. Butt.

Debatng—J. C. Swenson, Wm. J. Snow, A. C. Lambert, T. E. Pardoe.

Eligibility—Milton Marshall, H. Grant Ivins, J. E. Hayes.

Graduation—B. F. Cummings, Joseph Sudweeks, M. W. Poulson.

Lectures and Musicals—J. C. Swenson, Herald R. Clark.

Library—Alice L. Reynolds, G. H. Brimhall, M. W. Poulson, W. J. Snow, Librarian.

Personnel—C. S. Boyle, Thos. L. Martin, Wm. J. Snow, A. C. Lambert.

Lectures and Musicals—J. C. Swenson, Herald R. Clark. Registrar.

Publicity—L. Nelson, J. M. Jensen, E. H. Holt, K. B. Sauls, H. R. Merrill, G. O. Romney.

Schedule of Events—K. B. Sauls.

Schedule of Classes—E. H. Holt, N. I. Butt.

Social Affairs—Elmer Miller, G. H. Hansen, Dean of Women, Elizabeth Cannon, Wayne B. Hales, Wilma Jeppson, Karl E. Young.

Social Units—Chairman of Social Affairs, Chairman of Attendance and Scholarship Committee, Registrar, Dean of Women, Elsie C. Carroll, and Student Representatives.

Student Accomodations—W. H. Boyle, W. H. Snell, P. P. Bigelow, Dean of Women, Hugh W. Peterson.

---- **Student Aid and Employment**—Knight Allen, Dean of Women, Kiefer B. Sauls.

Student Publications—J. M. Jensen, E. H. Eastmond, B. F. Larsen.

Faculties of L. D. S. Institutes and Seminaries

COLLEGIATE INSTITUTES

	Teacher	Address
Logan Institute	T. C. Romney	Logan, Utah
Moscow Institute	G. S. Tanner	Moscow, Idaho
Pocatello Inst.	J. W. Sessions	Pocatello, Idaho

SENIOR SEMINARIES

Seminary	Teacher	Address
American Fork	E. Ray Gardner	Am. Fork, Utah
Ammon	Lucius Clark	Idaho Falls, Ida.
Barnes, John R.	G. C. Ensign	Kaysville, Utah
	T. D. Creer	Salt Lake City
Bear River	W. W. Richards	Garland, Utah
	Alma W. King	Garland, Utah
Beaver	Wendell M. Rigby	Beaver, Utah
Bicknell	LeRoy B.Groberg	Bicknell, Utah
Blackfoot	G. Byron Done	Blackfoot, Idaho
Blanding	Wayne H. Redd	Blanding, Utah
Box Elder	Abel S. Rich	Brigham City, U.
	J. P. Lillywhite	Brigham City, U.
Burley	R. Golden May	Burley, Idaho
Castle Dale	N. L. Williams	Castle Dale, Utah
Cedar City	G, O. Larson	Cedar City, Utah
Coalville	L. M. Norberg	Coalville, Utah
Delta	M. Ward Moody	Delta, Utah
Driggs	L. E. Peterson	Driggs, Idaho
East Side	James E. Moss	Salt Lake City
	Obert C. Tanneh	Salt Lake City
Enterprise	Newel R. Frei	Enterprise, Utah
Ephraim	N. E. Noyes	Ephraim, Utah
Escalante	E. B. Allred	Escalante, Utah
Ferron	Milton R. Hunter	Ferron, Utah

Seminary	Teacher	Address
Franklin County	R. Lee Kenner	Preston, Idaho
	James DeBry	Preston, Idaho
Grace	Harold S. Nelson	Grace, Idaho
Granite	F. K. Seegmiller*	Salt Lake City
	James E. Moss	Salt Lake City
	Daryle Chase	Salt Lake City
	M. D. Clayson	Salt Lake City
Grantsville	D. S. Adams	Grantsville, Utah
Gunnison	J. C. Watts	Centerfield, Utah
Hinckley	R. T. Hinckley	Hinckley, Utah
Huntington	J. Wayne Moss	Huntington, Ut.
Hurricane	A. Noble Kimball	Hurricane, Utah
Jordan	Carter E. Grant	Sandy, Utah
	Heber D. Clark	Bountiful, Utah
	M. L. Bennion	Salt Lake City
Lehi	Frank W. McGhie	Lehi, Utah
Lincoln	V. C. Anderson	Provo, Utah
Logan	Ed. J. Passey	Logan, Utah
	L. R. Robinson	Logan, Utah
	C. P. Daniels	Logan, Utah
Lovell-Cowley	Joseph S. Fish	Lovell, Wyoming
Lyman	Willis J. Lyman	Lyman, Wyo.
Malad	H. W. Lawrence	Malad, Idaho
	E. M. Chadwick	Malad, Idaho
Manassa-Sanford	Stanley E. Best	Sanford, Colo.
Manti	L. E. Anderson	Manti, Utah
Mesa	J. R. Wilkins	Mesa, Arizona
Midway	Ariel S. Ballif	Menan, Idaho
Millard	S. D. Moore, Jr.	Fillmore, Utah
Monroe	V. L. Israelsen	Monroe, Utah
Montpelier	S. H. Spencer	Montpelier, Ida.
Morgan	C. Calvin Geary	Morgan, Utah
Moroni	Jos. W. Olsen	Moroni, Utah
Mt. Pleasant	A. H. Anderson	Mt. Pleasant, Ut.
Murray	K. K. Blacker	Murray, Utah
Nephi	L'Roy Whitehead	Nephi, Utah
North Cache	E. M. Hicken	Richmond, Utah
	Carl J. Furr	Richmond, Utah

*On leave of absence.

Seminary	Teacher	Address
Oakley	Wesley P. Lloyd	Oakley, Idaho
Opuirrh	A. C. Nielsen	Salt Lake City
Panguitch	S. Ross Hunt	Panguitch, Utah
Paris	Roy A. Welker	Paris, Idaho
Payson	John F. Oleson	Payson, Utah
Phoenix	May G. Kershaw	Phoenix, Ariz.
Piute County	A. C. Reynolds	Circleville, Utah
Pleasant Grove	Hyrum P. Jones	Pl. Grove, Utah
Pocatello	J. E. Fisher	Pocatello, Idaho
Provo	J. A. Washburn	Provo, Utah
	Marg't Gardner	Provo, Utah
Rexburg	Leon M. Strong	Rexburg, Idaho
Richfield	Newel K. Young	Richfield, Utah
Rigby	W. E. Berrett*	Rigby, Idaho
	T. Edgar Lyon	Rigby, Idaho
Roosevelt	Stanley R. Gunn	Roosevelt, Utah
Rupert-Heyburn	Jesse L. Roberts	Rupert, Idaho
Shelley	H. A. Fitzgerald	Shelley, Idaho
Snowflake	Willian C. Smith	Snowflake, Ariz.
South Cache	J. Karl Wood	Hyrum, Utah
	M. W. Smith	Salt Lake City
South Side	M. D. Clayson	Hyrum, Utah
	Harold B. Lee	Salt Lake City
South Summit	Silas L. Cheney	Kamas, Utah
Spanish Fork	E. Cecil McGavin	Spanish Fork,Ut.
	Laura Shepherd	Provo, Utah
Springville	W. T. Tew, Jr.	Springville, Utah
Star Valley	Ernest R. Clark	Afton, Wyoming
St. Johns-Eagar	David G. Thomas	St, Johns, Ariz.
Sugar City	H. L. Petersen	Rexburg, Idaho
Tooele	LeRoi Bentley	Tooele, Utah
Ucon	Grant M. Andrus	Ucon, Idaho
Vernal	A. S. Cannon	Vernal, Utah
Wasatch	D. A. Broadbent	Heber City, Ut.
Weber	F. G. Eyre	Ogden, Utah
	Pearson Corbett	Ogden, Utah
West Side	Ezra C. Dalby	Salt Lake City
	Eugene Hinckley	Salt Lake City

*On leave of absence.

Historical

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter Day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter Day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings—The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing $75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees.

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this buillding was undertaken voluntarily by Reed Smoot, a member of the Board of Trustees.

The Training School Building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the nearby stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was $112,000.00. "Uncle" Jesse Knight contributed liberally to the Alumni Association in this project. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill, was erected in 1925.

The last three named buildings were built by Church appropriations.

Campus—The first campus of the school was limited to a small playground back of the building which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904, steps were taken to acquire land on this site. A purchase of seventeen acres was made from

Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area comprising the present campus of seventy-five acres, was purchased by the University, following a movement initiated by the Alumni Association.

Administration—The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. Dr. Karl G. Maeser served as principal until 1891, when he was called to the general superintendency of Church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus. On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921.

Educational Growth—The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four years college courses.

Master degrees have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education, and the School of Arts and Sciences was established.

During 1921 a college of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a college of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Foods and Nutrition, Horticulture, Household Administration, Textiles and Clothing, and Woodwork.

On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music and Speech.

During the year 1928-1929 the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School.

University Credits Recognized—The Brigham Young University is on the list of approved colleges of the Association of American Universities. It is also a member of the Northwest Association of Secondary and Higher Schools, the American Council on Education, and the Association of American Colleges.

ORGANIZATION

The Brigham Young University as now organized comprises:

1. **A College of Applied Science**

2. **A College of Arts and Sciences**
3. **A College of Commerce**
4. **A College of Education**
5. **A College of Fine Arts**
6. **A Graduate School**
7. **An Extension Division**
8. **A Research Division**

Elementary and Secondary Training Schools are maintained in connection with the College of Education.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration
Agronomy
Animal Husbandry
Art
Botany
Chemistry
Economics
Educational Administration
Elementary Education
English
Finance and Banking
Geology and Geography
History
Home Economics
Horticulture
Library
Mathematics
Mechanic Arts
Modern and Classical Languages
Music
Office Practice
Physical Education
Physics
Political Science
Philosophy of Education
Psychology

Secondary Education
Sociology
Speech
Religious Education
Zoology and Entomology

UNIVERSITY FEES

College and Graduate Students:

Registration fee for full year if paid at beginning of Autumn quarter ----------------$70.00

Registration fee for less than the full year, $25.00 the quarter.

Withdrawal deposit ------------------------$ 1.00

Student Activity Fee, each quarter ------$ 5.00 or $12.50 for the year if paid in advance.

A Gymnasium Service Fee, each quarter --$ 1.00

Secondary Training School:

Senior High School—10th, 11th, 12th grades, the year ----------------------------$30.00

Activity Fee ------------------------------$ 7.50

Gymnasium Service Fee, the year --------$ 1.50

Junior High School—7th, 8th, 9th grades--$15.00

Activity Fee ------------------------------$ 2.50

Gymnasium Service Fee, the year --------$ .75

Elementary Training School—1st to 6th grades, $10.00 the year.

Special Fees:

Late Registration—after first week of each quarter -----------------------------------$ 2.00

Special Students—eight credit hours or less, $ 2.50 for each hour.

Special Examinations, for each hour ------$ 2.50

(Provided the maximum fee in any one subject shall not exceed $20.00.)

Graduation	Degree $10.00
	Diploma $ 5.00

Special fees are charged for private instruction in Vocal and Instrumental Music, Dramatic Art, and some special courses in Art.

Breakage deposits are required in the departments of Chemistry, Mechanic Arts, and for laboratory courses in Bacteriology and Soil Fertility; and a special fee of $5.00 is charged those who elect Secondary or Elementary Training.

STUDENT EXPENSES

The cost of books varies from $5.00 to $10.00 a quarter, depending upon the number and the nature of the courses elected.

Board and room in private homes costs from $4.50 to $6.50 per week. By renting rooms and boarding themselves, students are able to reduce considerably the cost of room and board. In many cases it has been reduced to $12.00 a month.

If students desiring assistance will call on the Students' Accommodation committee when they arrive in Provo, they will be directed to the kind of place they wish. When students desire to change boarding places, they are expected to call on and notify the chairman of this committee.

The University insists that boys and girls be housed separately. The boarding houses are inspected to see that accommodations are satisfactory. The University maintains a Cafeteria, where students may secure the noon meal at cost.

ENDOWMENTS

The Jesse Knight Endowment Fund.—On December 21, 1914, the late Jesse Knight made an endowment to the University of one hundred thousand dollars in six percent bonds. The interest payments on these bonds, together with the payments on bonds which have matured, have been placed at interest, and the cash credit on this account now represents approximately twice the amount of the original endowment. The income from this endowment becomes available during the school year 1933-34.

The Brigham Young University Permanent Endowment Fund.—June 4, 1929, the B. Y. U. Associated Alumni initiated a **permanent endowment fund** for the University. Some very generous contributions and subscriptions were made at this alumni reunion, and the work of building such an endowment has been carried forward by the alumni and school officials with very gratifying results. The members of the graduating classes since that time have shown a remarkably loyal spirit by subscribing to this fund an average of one hundred dollars each.

LOAN FUNDS

The Emmeline B. Wells Relief Society Loan Fund.—In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work. The lending of this fund is under the supervision of the Deans' Council.

Student Loan Fund.—The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augumented each year, the Sophomore class assuming the responsibility for making an annual addition. The lending of this fund is under the supervision of the Deans' Council.

Harmon Foundation Student Loan Fund.—The Brigham Young University has been chosen by the Harmon Foundation as one of the limited number of colleges in the United States whose students may receive assistance in financing their education. Juniors and Seniors, up to a given number each year, may borrow money from this fund. The Harmon Foundation is a strong financial organization now rendering financial assistance to students in many of the colleges in the United States. A faculty committee represents the University in making these loans.

Gamma Phi Omicron Loan Fund.—The Home Economics Club of the University (Gamma Phi Omicron) has established a loan fund to assist students of the Home Economics department. The lending of this fund is under the supervision of the Deans' Council.

Alpha Kappa Psi Loan Fund.—The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce. The lending of this fund is under the supervision of the Deans' Council.

Federation of Women's Clubs Loan Fund.—The First District Federation of Women's Clubs of Utah has established a loan fund to be lent to the senior girls of the University. The lending of this fund is under the supervision of the Dean's Council.

ASSOCIATED STUDENTS

General Organization.—This organization is composed of all students who attend Brigham Young University and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a more democratic "Y" spirit, and to furnish opportunities for all students to participate in those activities which interest them most. Through this organization, student traditions are kept alive. All interclass and intercollegiate activities are encouraged and unified by this organization. Forensic, dramatic, and music activities are fostered by and are under its management and through it the students publish the school periodicals and also the University year book, the "Banyan." The organization also functions as an auxiliary of the school discipline.

Associated Women Students.—This is an organization comprised of all girls registered in the institution. Its purpose is to aid and foster all girls' activities. This organization is also a member of the Western Division of the National Organization of Associated Women Students, which includes practically all of the universities and colleges in the United States.

The Presidents Club.—This club is composed of the presidents of all clubs, units, classes or any other student organization upon the campus. Its purpose is to keep union and harmony in student activities by keeping the organizations united, and to maintain a student union, rather than cliquishness, and club consciousness. The President of the Associated Students presides over it and calls the club together whenever it is thought advisable by the Student Council.

Block "Y" Club.—An organization of students who have won a Block "Y" in intercollegiate athletic or forensic competition. Its purpose is to foster the traditions of the school, keep live the athletic and forensic spirit, encourage a true spirit of sportsmanship and to meet visiting teams of athletes or debaters and help to encourage friendly relations with sister institutions.

STUDENT BODY PRIZES AND AWARDS

The Kirkham Medal, a gift of Francis W. Kirkham, to those who win their state inter-collegiate debates.

The Dixon Silver Cup, is presented for the best extemporaneous speech. It is given annually by Mr. Rulon Dixon.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

CLUBS AND SOCIETIES

To enlarge the educational and social opportunities of the university, units, clubs, and societies are organized. In these groups, the spirit of the institution is fostered, and democracy is especially encouraged.

SOCIAL-UNIT ORGANIZATION

The University recognizes proper social development as one of the important by-products of college training. For many years this social opportunity has been provided through the class and club organizations of the institution, but in recent years these organizations have become too large to provide students with the intimate social contacts, and opportunities for leadership which are thought desirable.

To provide suitable opportunity for the fulfillment of this purpose the Social Unit Organization was adopted.

The plan provides that every student in the University shall belong to a Social Unit. These units include from twenty to thirty members, grouped on the basis of sex, social interest and congeniality. The whole scheme is democratically controlled by the Social-Unit Committee, which consists of members from faculty, classes, and other organized groups in the University. The Inter-Social-Unit Council, made up of representatives from each Social Unit, has jurisdiction over the internal affairs of the Units, such as fees, costs of entertainments, etc.

The Social Units are doing much to keep alive the social ideals of the University and to perpetuate the democratic social traditions characteristic of the Student Body.

DEPARTMENTAL ORGANIZATIONS

This group of organizations has the specific purpose of bringing together persons of similar scholastic interests and of rendering their work more pleasurable and profitable. Each group will foster the activities of the department to which it is allied. The eligibility rules thereof will be such that any member of the department may qualify for membership by meeting the scholastic requirements imposed by the organization. The fees will be reduced to a minimum. Each organization will have a faculty advisor. The following departmental clubs and societies have been organized:

The "Ag" Club.—This organization is open to all students of Agriculture, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Meetings are held every alternate Wednesday afternoon. Social functions in conjunction with the Home Economics department are featured during the year.

Art Club.—This organization is for the benefit of students having special talent in any particular phase of fine art and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists and of craftsmen's work are held under the auspices of this organization.

Drama League.—The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets weekly. It is affiliated with the Drama League of America.

French, Spanish, German, and Latin Clubs.—Teachers and students interested in the study of French or Spanish or German or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign language is the medium of speech. The clubs are in the fullest sense student organizations. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privileges are especially extended to people of the community of French, German, Spanish or Spanish-American birth.

Home Economics Club.—The club is organized to create a professional spirit among the students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economics courses are eligible for membership.

Gamma Phi Omicron.—(Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Literary Club.—The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

Music Society.—This society meets conjointly with the Drama League and alternately furnishes programs of varied musical importance. Leading musicians of the state will augment local talent in producing some of the world's greatest music. Membership in this society entitles admittance to all Drama League activities.

Young Commerce Club.—This club is a student organization devoted to the development of good fellowship among the business students. Luncheons and programs are given at regular intervals during the school year at which prominent business and professional men of the inter-mountain country are the principal speakers. All students of the College of Commerce are eligible for membership.

Young Education Association (Y. E. A.)—An organization of all students working for the two-year normal diploma. Its purpose is to foster fellowship and sociability among its members, and to encourage their educational life by bringing in prominent educational speakers.

Young Women's Missionary Club.—An organization of women students who have been engaged in active missionary service. Its purpose is to preserve the missionary spirit among the students and alumnae of the University and to render help where possible to women missionaries in the field.

Delta Phi.—An organization open to all male students who have done regular missionary work. Its purpose is to foster fellowship, missionary ideals, and sociability. Luncheons and programs are given during the school year at which prominent men of the Church and State are the principal speakers. This chapter is associated with like chapters at the Utah Agricultural College, Weber College, and the University of Utah.

Psychology Club.—An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

David Starr Jordan Biology Club.—This organization is open to all who have shown special interest in the fields of biological science. The club aims to develop interests in all forms of biological study and has, for its major project, the building of a library of natural science literature. During the past two years some 250 volumes have been collected by club members. The increasing animal and plant collections of the department and the new laboratory at Utah Lake, offer interesting material for new students. Special lectures by eminent state naturalists, have proved to be of the greatest interest and educational value. Outside of resident students, the membership consists of faculty members, alumni and prominent townspeople.

Graduate Club.—This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of the Brigham Young University." A student becomes a member automatically upon registration in the graduate division.

The "Y" Chemical Society.—An organization consisting of students interested in the field of chemistry. Meetings are held every alternate week, at which time lectures dealing with the outstanding problems in chemistry, or material intimately connected with this field are given by authorities on the specific subjects. Various excursions to the outstanding institutions of scientific value and interest in the state are sponsored.

Geographical Clubs are organized for the futhering of social enjoyment and the establishing of bonds of sympathy between the school and the home.

NATIONAL FRATERNITIES

Theta Alpha Phi.—National professional dramatic fraternity—co-educational.

Tau Kappa Alpha.—Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Alpha Kappa Psi.—(Commerce). (Beta Delta Chapter). The purpose is to foster studies in commerce, encourage scholarship and association between members and the commercial world. Male College of Commerce students above freshman standing are eligible for membership.

Beta Beta Beta.—(Phi Chapter).—Installed January 31, 1931. An international honorary biological fraternity, which emphasizes a three-fold program: sound scholarship; dissemination of scientific knowledge; and promptness of biological research. All junior and senior students having twenty-four hours of biological credit are eligible for membership.

Phi Delta Pi.—Women's National professional physical education fraternity. Xi chapter installed November 21, 1931. Its purpose is to stimulate professional and scholastic interest in physical education.

NON-STUDENT ORGANIZATIONS

B. Y. U. Women's Organization.—The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member, (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member; (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club.—This club is organized to develop and maintain a closer co-operation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members original creation in music, literature, painting, etc.

Faculty Forum.—The purpose of this organization is to stimulate scientific research. Opportunity is afforded the faculty to hear papers dealing with problems of interest in the various fields of science.

SCHOLARSHIPS AND PRIZES

Maria Y. Dougall Scholarship.—A scholarship for girls, representing $30.00 awarded annually on the recommendation of Mrs. Maria Y. Dougall of Salt Lake City.

Eliza A. Wollacott Scholarship.—A scholarship for girls representing $30.00 awarded annually through the recommendation of President Emeritus G. H. Brimhall.

Van Wagenen Band Scholarship.—For the encouragement of worthy students in the line of band music, Mr. Alma Van Wagenen of Provo has established an annual scholarship of $50.00.

Annual Commercial Contest Scholarship.—Two scholarships are awarded to the winners of the shorthand and the typewriting events in the Commercial contest for high school students held at the University each year.

Alpha Kappa Psi Scholarship Award.—Alpha Kappa Psi Fraternity, Beta Delta Chapter of which is established in the College of Commerce, awards annually the Alpha Kappa Psi Scholarship Medallion to the male student of the junior class in commerce who possesses the highest scholastic average for three years' work taken in this university.

The Oscar B. Young Prize.—An award of $50.00 given annually by Professor Kinball Young for the best essay on some phase of **Mormon Community Life.** The adjudication is under the supervision of the department of Sociology.

AWARDS

Provo Chamber of Commerce Medal.—The Provo Chamber of Commerce presents annually a gold medal to the most efficient student in the University, based upon scholarship, social status, and public service.

The Elsie Chamberlin Carroll Medal.—Mrs. Elsie Chamberlin Carroll presents annually a gold medal to the student (girl) of the University writing the best short story.

The Adams Gold Medal.—Mr. and Mrs. Walter Adams present annually a gold medal to the student who renders best two selected compositions on any stringed instrument other than the piano. One selection is to be by an American composer, the other by a recognized artist.

The Taylor Gold Medal.—Mr. Lester R. Taylor presents annually a gold medal to the student who renders best a piano selection, the composition to be by a recognized artist.

The Pardoe Gold Medal.—Professor and Mrs. T. Earl Pardoe present annually a gold medal to the student rendering the best selection on any wind instrument. One selection is to be by an American composer, the other by a recognized artist.

The Woolley Gold Medal.—Miss Mary Woolley presents anually a gold medal to the student giving the best rendition of a dramatic reading.

The Stein Gold Medal.—Mr. J. Edwin Stein offers annually a gold medal for the most efficient athlete. Efficiency is based upon participation in athletics, scholarship, and social activity.

The R. R. Irvine Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

The Sophomore Class, 1921, Gold Medal is awarded annually for excellence in vocal art.

The Noble Medal.—Mrs. Hazel Noble Boyack offers annually a gold medal to the most efficient senior student enrolled in the Home Economics department. The selection of such student will be made by the faculty of the Home Economics department.

The Provo Drama Center, Mask Award.—A prize of twenty-five dollars is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal.—A gold medal awarded to the winner of an oratorical contest on some subject of international good will.

Studio Guild Medal.—A gold medal is awarded annually by the Studio Guild for the best landscape painting done in any medium. Members of the Art department faculty and the officers of the Studio Guild make the selection.

Dramatic Service Awards.—The Dramatic Art department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

Egbert Gold Medal.—Miss Anna Egbert gives a gold medal for the most efficient debater each year. The award is made in honor of her father, Robert N. Egbert.

The Evans Competitive Acting Award.—Mr. Edmunds Evans offers annually a watch for the student, who, in the estimation of a group of judges plays the best sustained role in the annual competitive play.

The Evans Gold Medal.—Mr. Edmund Evans offers annually a gold medal to the most efficient graduate in the Speech department. Efficiency is based upon participation in speech activities social activity, and scholarship.

DISCIPLINE

The maintenance of standards of honor, Christian integrity,, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The committee on attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours work will not be allowed to remain in the institution.

FUNCTION OF THE MEDICAL DIRECTOR

The principal function of the medical director is to conduct the physical examinations of the students and to look after the general health conditions of the school. In addition all students have the privilege of free consultation with him at his university office during scheduled office hours, or by appointment. He will gladly respond to all calls to investigate the presence of contagious diseases, but he cannot assume the responsibility of furnishing free treatment for such cases, as is done in schools where the students pay a medical or hospital fee. However, if those students who are unable to pay for necessary service are reported, efforts will be made to see that they are taken care of. No charge will be made for first aid service to persons injured in athletic contests or other forms of school activities, except for material used.

DEAN OF WOMEN

The Dean of Women is charged with the general oversight of all women students, and is always ready to aid and advise them in matters pertaining to their university life. She will not only attend to the special needs of young women during school hours, but will use every precaution to see that they are properly cared for at their boarding places. All women students are required to leave a directory card with the Dean of Women when they register.

LIBRARY

The University Library contains about 75,000 volumes and 50,000 pamphlets and bulletins. These publications cover all phases of human interest and offer opportunity to make intensive studies in almost any field of the sciences or arts. The library has for years been a Government Depository to receive all Government documents. These documents are all well classified and indexed. Besides the Government Documents the Library has nearly a complete set of all agricultural experiment station literature from every state in the Union. It regularly receives important State documents on education, history, politics and various other topics as they are issued by the different states, and is on the publication exchange lists of many of the colleges and universities of the United States and elsewhere. The Carnegie Institute of Washington, the Carnegie Peace Foundation, the Rockefeller Foundation, the General Education Board, the American Council on Education, the Milbank Memorial Fund, the Bell Telephone Laboratories and several of the large business organizations all supply technical and informative literature. The Library subscribes for such technical journals and magazines as are essential to a through college education, and it maintains its own book bindery.

Each year the Library strengthens itself along specialized lines through contributions of books to its special collections, of which the following are now being rapidly augmented:

B. Y. U. Women (Memorial) Collection—General
Brimhall Collection—Theology
Bennion Collection—Biography
Egbert Collection—Music
Henning Collection—Archaeology
Hinckley Collection—Geology
Ivins Collection—The American Indian

Jordan Club Collection—Biology
Lund Collection—Music
McKay Collection—Education
Mask Club Collection—Dramatics
Nelke Collection—General Literature
Reynolds Collection—Literature
Smith (F. W.) Collection—Chemistry
Sorosis Club Collection (Memorial)—General
Spilsbury Collection—Home Economics
Whitaker Collection—Foreign Languages
Widtsoe Collection—Agriculture

The Library is open each school day during the regular school year from 8 A. M., until 10 P. M.; on Saturday from 10 A. M., until 4 P. M.; and during the Summer Session from 7:30 A. M., until 8 P. M.

SPECIAL SCIENTIFIC AND ART COLLECTIONS

The Zoological and Entomological Collections of the University consist of a large series of identified invertebrate and vertebrate species of Utah and contiguous states.

The Entomological Collection consists of over 50,000 specimens; the Tom Spalding Collection of Utah lepidoptera, the Chester Van Buren Collection of South American Butterflies, some Weevils from the Blatchley Collection form important portions of this collection.

A complete series of the fish, amphibians, reptiles, birds and mammals of this region are to be found in the collection. The fish collection is especially rich in species and specimens from the intermountain region. There is also a collection of Hawaiian fish made by Dr. David Starr Jordan. Specimens of practically all the species of amphibians and reptiles of Utah and many species from various portions of the United States are in the collection. The bird collection consists of about

1700 skins; 1,000 of which were collected in the Magdalena River Valley of South America by Chester Van Buren in 1901-03. This collection is being added to annually by means of collecting expeditions that are sent out to various parts of the Western United States.

An excellent collection of plants is maintained by the Department of Botany. This collection includes a representative series of algae, liverworts, mosses, ferns, and seed-plants. There is also a collection of seeds and a collection of diseased plants.

The herbarium of ferns and seed-plants is made up principally of plants collected throughout the Western states, but many species obtained through various exchange herbaria of other sections are included. There is also a collection of plants from Siberia, obtained by President F. S. Harris in 1929, as well as a small group of plants from South America.

The principal collection, made up of Western plants includes 125 families, 600 genera, and 1800 species, represented by over 5,000 specimens. The collection is being enlarged by means of plants obtained on various collecting expeditions, plants obtained through the forest service, and various other sources.

The Geological Collections of the University consist of an unusually complete series of minerals and an interesting variety of fossils.

The minerals number many thousands and are representative of the great western mining districts together with hundreds of world localities of note. Part of this collection once represented the nucleus of the famous Deseret Museum Collection of Salt Lake City.

The fossil series are representative of many western and typical world localities. Much of this material was also formerly a part of the Deseret Museum collection. The vertebrate collection is especially rich in original fossils and casts of the characteristic mammalian fauna that lived in the Western states during the immediate geologic past.

The Archeological collections include a number of well prepared case exhibits of Utah Indian materials, including pottery, basketry, stone implements, wearing apparel and picture writings. It also includes a number of South Pacific Islands collections together with what is thought to be the finest South American collection of Indian pottery in the West.

The Fine Arts Collection consists of paintings, sculpture and art prints. Early pioneer artists are represented as well as more recent and modern painters and sculptors. The collection comprises also noteworthy pieces done by such foreign artists as George H. Taggart and Louis Potter of Chicago, Lee F. Randolph of San Francisco, Pedro J. Lemos, Palo Alto, Cal., and the late Wm. Morris, London, England, The halls throughout the institution are graced by the collection instead of its being assembled in an art gallery.

GENERAL REQUIREMENTS FOR UNDERGRADUATE WORK

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. In no case shall fewer than twelve of the sixteen units be acquired during the last three years of high school—this provision to go into effect in 1932-1933. He must offer among his credits the following:

English	3 units
A principal group	3 or more units
A secondary group	2 or more units

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. At least one unit in Mathematics, either Algebra or Geometry, must be included in either the principal or the secondary group—this provision to go into effect in 1932-1933. If the principal group is from Mathematics and Science, the secondary group must be from History and Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar of the University.

In case a student is unable to furnish an official transcript of credits on or before the day of registration, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student. To become a candidate for a degree such student must meet the entrance requirements.

A student who has met the entrance requirements but who is carrying fewer than eight hours of work will be designated as a special student.

COURSE DIVISIONS

Undergraduate courses of study are divided into:

(a) Lower Division.
(b) Upper Division.

Lower Division courses are numbered in the catalogue from "1" to "49", Upper Division courses from "50" to "99". Graduate courses are given numbers above "100".

ELECTION OF STUDIES

The student, in electing his studies, should with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable The major and minor, as well as the general, requirement for graduation should be kept in mind in electing studies. Three hours credit in Physical Education, are required of all Freshmen. Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card. Excess work taken by correspondence or extension classes not approved in this manner, will not be recorded for credit. Resident students of other institutions who apply for correspondence or extension class work, at this University, must have their proposed registration approved by the president of the institution in which they are registered. Students wishing to transfer correspondence credits from other institutions are subject to examination by the University department concerned.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean with the consent of the instructor advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree twelve hours in foreign language work. It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five hours credit and fewer than ninety at the beginning of the school year, will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five at the beginning of the school year, will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four hours credit at the beginning of the school year, will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examination for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on credit.

An incomplete course of study must be completed during the next quarter of residence, provided the next quarter of residence is within one year; otherwise the course must be retaken in class or a special examination taken to obtain credit.

A fee of $2.50 per credit hour is charged for special examinations, provided the total fee for any one subject does not exceed $20.00.

GRADUATION

GENERAL REQUIREMENTS

For a student to be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered. At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The following graduation requirements apply to all candidates for a bachelor's degree from any of the colleges of the University:

Total amount of credit	186 hours
Requirements for a major	30 hours
Requirements for a minor	20 hours

Group Requirements:

Mathematics and Physical Science	12 hours
Biology and Psychology	12 hours
Social Science	12 hours
English and Foreign Languages	18 hours

Lower Division courses required:

English 1, 2, and 3.
Physical Education, three hours.

A candidate for a Bachelor of Arts degree is required to furnish 24 hours credit in a foreign language.

Not more than 28 hours of "D" grade credit will be applied towards graduation.

Students who expect to be graduated at the end of the spring quarter should file application with their dean not later than the beginning of the winter quarter.

All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer Session and who have filed application for graduation not later than thirty days preceeding the close of the spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation and a candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements of graduation and to pass on candidates.

GROUP REQUIREMENTS

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. **Mathematics and Physical Science**—12 hours. (Mathematics, Chemistry, Physics, Geology and Geography). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. **Biology and Psychology**—12 hours. (Botany, Zoology and Entomology, Psychology). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

3. **Social Science**—12 hours. (Economics, History. Political Science, Sociology). Not more than six quarter hours in one department may be counted in fulfilling this requirement.

4. **English and Foreign Languages.**— 18 hours, at least 12 hours of which must be in English. This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign language taken in high school, this group may be reduced to 14 hours.

MAJOR AND MINOR REQUIREMENTS

At least sixty hours of upper division work must be furnished by students applying for graduation.

At the beginning of his college course, and in no case later than his Junior year each student should select his major professor who, in connection with his dean, will serve as his special faculty advisor. At the time of his graduation he must have completed no fewer than thirty quarter hours in the department in which he is majoring, and no fewer than twenty hours in a collateral or minor subject which meets the approval of his dean and his major professor. He must also satisfy any special departmental requirements announced in the catalogue.

In cases where the prospective graduate's high school and college work shows marked evidence of deficiencies in grade of scholarship, in breadth of training, or a preparation for probable future activity, the dean may use his discretion in prescribing certain specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

THE GRADUATE SCHOOL

All graduate work leading to higher degrees is now administered under the direction of the Graduate School.

Character of Graduate Work—The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration—All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact the student should file with the Dean of the Graduate School an official transcript of his undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy—Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in residence one quarter or more whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the University Council. The mere accumulation of credits does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree—Two high er degrees are offered: Master of Arts, (M. A.) provided the candidate meets the foreign language requirement for the A. B. degree; and Master of Science (M. S.) if the candidate does not meet the foreign language requirement for the A. B. degree. A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must after securing a Bachelor's degree, furnish 48 hours of graduate credit, approved by the Dean of the Graduate School and major professor, 32 hours of which must be in residence, in addition to 186 hours of college credit, and 16 units of high school credit. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. The thesis must be completed at least ten days before the final examination. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. Before the degree is granted the candidate must file with the Dean of the Graduate School a statement from the Librarian acknowledging the receipt of this copy. (e) A candidate for a Master's degree must secure a grade of "B" or above in three-fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

SCHOLARSHIP HONORS

In recognition of meritorious work, scholarship honors are granted to members of degree graduating classes in accordance with the following.

First. There shall be two degrees of honor:

Graduation with Honor, and Graduation with High Honor.

Second. The awards shall be made on the basis of excellence shown in the upper division or graduate work done in the Brigham Young University.

Third. To receive the award of Graduation with Honor a student shall have a record of not fewer than thirty hours of upper division work showing "A" grade and not fewer than fifty hours of such work showing "A" and "B" grades.

Fourth. To receive the award of Graduation with High Honor a student shall have a record of not fewer than forty hours of upper division work showing "A" grade, and not fewer than fifty-five hours of such work showing "A" and "B" grades.

Fifth. The number of graduates receiving honors shall not be greater in any year than one-fifth of the number of students graduating. In the event that more than one-fifth of the graduates shall meet the honor requirements set forth above, the students to receive honors shall be chosen as follows: The number of hours of "A" grade of each subject shall be multiplied by "1½", and the number of hours of "B" grade by "1." The one-fifth of the graduates receiving by this process the highest product totals shall receive honors.

Sixth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Seventh. The announcement of honor awards is to be made at the annual commencement exercies.

Term Honors—The University will post and publish at the close of each quarter of the regular school year the names of the one graduate student, the five senior college students (juniors and seniors), and the five junior college students (freshmen and sophomores) who have received the highest grades in class work during the quarter.

Class grades are to be used exclusively in determining honors, except in case of a tie, when the general school activity of the student shall be considered. The basis of the computation shall be credit hours times grade; and an "A" shall count one and one half times a "B".

Colleges

COLLEGE OF APPLIED SCIENCE

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Horticulture, Home Economics, Mechanic Arts.

The work offered will be of standard collegiate grade and upon completion of the required amount of study in fundamental subjects, specialized courses, and related work a student may be granted the degree of Bachelor of Science or Bachelor of Arts.

COLLEGE OF ARTS AND SCIENCES

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering medicine, law; or who desire to train for religious, political or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

Students may select their majors from any of the following departments in the College of Arts and Sciences: Botany, Chemistry English, Geology and Geography, History, Mathematics, Modern and Classical Languages, Physics, Political Science, Psychology, Sociology, and Zoology and Entomology. The degrees Bachelor of Arts and Bachelor of Science are given to graduates of this College.

COLLEGE OF COMMERCE

The purpose of the College of Commerce is to provide training for leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions, for efficiency in office administration, and for the demands of the industrial and financial world. The degrees Bachelor of Science and Bachelor of Arts are given to graduates of this College.

Majors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, and Political Science.

COLLEGE OF EDUCATION

The College of Education is one of the professional schools of the University. Its principal function is the training of teachers, principals, supervisors, and superintendents. This college aims to meet the requirements of the Utah State Board of Education for the various grades of elementary and high school certification and for certificates and diplomas in administration and supervision.

The College of Education is made up of two constituent divisions, namely: The department of academic instruction, and the training schools.

The following departments are at present organized: Elementary Education, Philosophy of Education, Psychology, Educational Administration, Secondary Education, Religious Education, Physical Education.

In addition to the foregoing departments for majors and minors in the College of Education, students of this college may major in any department of the University, which department requirements they fulfill, provided they take at least thirty hours in professional educational subjects.

Students who intend to qualify for teaching should declare their intentions of doing so at the beginning of their junior year, if they intend to teach in the high schools, or at the beginning of their freshman year if they intend to teach in the elementary schools. Those who are preparing for high school teaching should also choose not later than the beginning of their junior year, a teaching major and a teaching minor in some of the departments of the University.

Training Schools—Two training schools are established: first, an elementary training school organized for practice teaching for those preparing for kindergarten and elementary school work; second a secondary training school which offers training in the six years of high school and gives ample opportunity for practice teaching to advanced students.

The degrees of Bachelor of Arts and Bachelor of Science are given to graduates of this College.

Students who are planning to become teachers in the elementary schools will be required to take a three year course leading to the normal diploma which is granted to students registered in the College of Education who complete three years of college work including English 1, 2, and 3, and the following technical courses in education: Elementary Education 1, four hours; Psychology 21, three hours; Zoology 20, three hours; Elementary Education 12, five hours; Elementary Education 51, 52, six hours: Elementary Education 54, ten hours; Physical Education, three hours; Elementary Education 55, three hours, and enough electives to make a total of forty hours in education.

Normal students who entered the University at the beginning of the school year 1931-32 will be permitted to complete their work and may receive a two-year diploma at the close of the school year 1932-33. During 1933-34, second year students may take training but will not be given a diploma. In 1934-35 only those who have taken the prescribed courses for elementary teaching will be permitted to take elementary training.

This diploma is an endorsement of the student's fitness to teach in the elementary schools and will enable the student to secure a first class certificate from the state. Because of the size of the training school only a limited number of students can receive training each year.

Junior high school teachers are expected to complete three years of college work including the same special requirements made of senior high school teachers, a teaching major of 30 hours or two minors of 18 hours each.

The Utah State Board of Education prescribes the following for an applicant for a Utah Five-Year High School Certificate:

"That he has completed a standard college course of four years or its equivalent.

That he has a teaching major of 30 quarter hours in one subject taught in Utah high schools, and one teaching minor of 18 quarter hours in one subject taught in Utah high schools.

That he has completed 3 quarter hours of work in health education, 5 quarter hours in ethics or sociology, and 5 quarter hours in political science or economics.

That he has at least 27 quarter hours of credit in education including at least 8 quarter hours in secondary training, 3 quarter hours in science or principles of education, 3 quarter hours in organization and administration of secondary education and 3 quarter hours in educational psychology.

Deviation from any of these electives should be made only with the approval of the School of Education giving the course."

COLLEGE OF FINE ARTS

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of the fine arts.

At present the following departments are fully organized: Art, Speech, and Vocal and Instrumental Music. Majors may be selected from the work offered by these departments. Graduates of this college may receive the degree of Bachelor of Arts or Bachelor of Science.

SUMMER SESSION

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the school year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the departments of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo Campus, the second on the Alpine Campus to the east of Mount Timpanogos. This latter campus is located about fourteen miles from Provo at an elevation of nearly 7000 feet. Splendid roads lead to it, making it easily accessible to anyone wishing to drive there. Although a wide range of subject matter is taught on this campus it affords exceptionally fine conditions for the study of art and the natural sciences.

The summer session offers the opportunity to persons who are employed during the usual nine months of schooling to pursue graduate work, and to regular students the opportunity to complete requirements for graduation in a shorter time than four years.

LYCEUM COURSE

For many years the University has brought to its students distinguished men and women in lectures, in dramatic art, and in music.

During the past year the following appeared on the course:

The Kedroff Quartet.
Dr. Lincoln Steffins.
Dr. Albert Edward Wiggam.
Dr. Bruno Roselli.
Isidor Belarsky, Baritone.
The Cherniavskys.
Dr. Charles M. Obermeyer.
Countess Alexandra Tolstoy.

Courses of Instruction

ACCOUNTING AND BUSINESS ADMINISTRATION

Professors Clark, Eastmond, Poulson, Hansen, Nelson, Marshall; Associate Professor Boyle; Assistant Professor Jensen; Mr. Allen.

Students majoring in this department are required to take courses 1, 2, and 74.

Lower Division Courses

1. **Elementary Accounting.**—Autumn and Winter. Daily. Autumn 1:30; Winter 10:30. Daily laboratory 1:30-3:30, one hour of which is required each day. Five hours credit. Boyle and assistant.

An introduction to college accounting. The aim of this course is two-fold: first, a preparation for those who plan to enter business at once, and second, as a foundation course for advanced work in accounting.

2. **Elementary Accounting.**—Winter and Spring, Daily. Winter 1:30; Spring, 10:30. Daily laboratory, 1:30-3:30, one hour of which is required each day. Five hours credit. Boyle and assistant.

Continuation of course 1.

14, 15, 16. **Commercial Art.**—Autumn, Winter or Spring, M. W. F., 10:30. One or two hours credit each quarter. Jensen.

Show card writing; poster art; advertising arrangement. Psychology of line, form and color.

17, 18, 19. **Process Illustrating.**—Autumn, Winter, Spring, T. Th., 2:30. Two hours credit each quarter. Eastmond.

Methods of drawing and painting for illustration. Drawing of the various process methods for modern engraving. Practical illustration. Prerequisite Art 7.

27. Cooperative Marketing. (See Economics 31) Nelson.

30. Commercial Geography. (See Geography 30). Hansen.

Upper Division Courses

50. Intermediate Accounting.—Autumn. Daily, 10:30. Four hours credit. Clark.

Primarily a study of corporation accounting with special emphasis placed on problems of depreciation; bases of revaluation, inventorying, etc. Open to students who have had Accounting, 1, 2, and 3, or the equivalent.

51. Intermediate Accounting.—Winter, Daily, 10:30. Four hours credit. Clark.

Continuation of Course 50.

52. Intermediate Accounting.—Spring, Daily, 10:30. Four hours credit. Clark.

Continuation of Course 51.

53. Principles of Risk-Bearing.—M. W. F., 10:30, Three hours credit. Boyle. (See Economics 53.)

54. Credits and Collections.—Winter, M. W. F., 9:30. Three hours credit. Boyle. (Not given this year.)

A course in credits which stresses the mercantile business aspect of the subject. Principles covering the granting of credit, the control of the credit line, when and how collections are made, establishment of Retail Credit Bureaus, contracts, installment selling plans and will make up the basic elements of the course. Prerequisites, Economics 1 and 2.

56. Mathematical Theory of Investment.—Spring, M. W. F., 10:30. Three hours credit. Marshall.

The application of mathematics to general business problems, annuities, amortization, capitalization, building and loan associations, depreciation, sinking fund, and bond values.

57. **Marketing.**—Autumn, M. W. F., 9:30. Three hours credit. Boyle.

An elementary course in Marketing in which the fundamental principles of Advertising and Salesmanship will be covered. The methods used to distribute manufactured goods rather than agricultural products will make up the basic elements of the course. Prerequisites, Economics 1 and 2.

58. **Retail Store Management.**—Winter. M. W. F., 9:30. Three hours credit. Boyle.

The problems of today's retail distribution will be considered in their relation to the following forms of organization: Individual proprietorship, voluntary chain, independent chain, cooperative chains, department stores, department store chains and specialty stores. Problems of management, accounting policies, financial and merchandise control and organization structures will be studied critically. Prerequisites, Economics 1 and 2, Accounting and Business Administration 1 and 2, or 53, 54, 57.

59. **Advanced Marketing.—Spring.** M. W. F., 9:30. Three hours credit.

A course for senior classification in which the information in Marketing in general will be drawn together for the executive of today who must look upon research as one of the numerous tools available to him. The intelligent use of marketing as such will be stressed. Courses 57 or 59, prerequisite.

62. **Industrial Management.**—Winter. M. W. F., 8:30. Three hours credit. Boyle.

This course deals with the necessity of research and original and creative thinking on the part of the business managers today if they are to raise business to a science and management to a profession. The organization of business for the most effective control of general administration, sales, purchases, etc. will be stressed.

63. Personnel Administration.—Spring, M. W. F., 8:30. Three hours credit. Boyle.

A study of modern practices and development in the scientific adjustment of the relations of employer and employee. This course places emphasis on the right human relations in industry in our complex machine age. Such problems as labor supply, labor turnover, promotion policy, trade tests, job analysis, etc., are studied. The significance to management of scientific labor control will be stressed. Senior classification, or Psychology 11 or 64 suggested as prerequisite.

64. Business Psychology.—Autumn, M. W. F., 2:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of advertising and salesmanship. Prerequisite; Psychology 11 or its equivalent.

65. Experiments in Business Psychology.—Winter. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

66a. Vocational Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson. (See Psychology 66.)

66. Real Estate Procedure.—Autumn, M. W. F. Three hours credit. Boyle. (Not given this year.)

A course which deals with the real estate problem, urban land valuation, real estate merchandising and selling, the problem of the separation of land and building valuation for rental purposes.

67. **Business Management.**—Spring. M. W. F., 1:30. Three hours credit. Boyle. (Not given this year.)

A course in which the business cycle and its relation to policies and principles of business management is studied. Senior standing is a prerequisite in order to draw upon the entire college background of business training.

74. **Principles of Statistics.**—Autumn, Winter, and Spring. M. W. F., 9:30, Autumn and Spring; 10:30 Winter. Three hours credit each quarter. Allen.

Introduction to statistics. Collection and interpretation of data; methods of analyzing figures; graphic and charting technique; economic research procedure; averages, measures of dispersion, correlation and probability. This course required of all majors in Economics, Finance and Banking, and Accounting and Business Administration.

75. **Business Statistics.**—Winter and Spring. M. W. F., 9:30 Winter; 10:30 Spring. Three hours credit each quarter. Allen.

Fundamental methods of statistics in business and economic applications. Estimating future business; economic forecasting; fluctuations of business. Practical problems concerned with business facts, past, present and future will be used. Prerequisite: a course in elementary statistics.

81, 82, 83. **Commercial Art and Illustrating.**—Autumn, Winter, and Spring. T. Th., 10:30. Two hours credit each quarter. Eastmond.

Poster designing and lettering. System of lettering. Sign writing in various mediums. Historical alphabets. Prerequisites, Accounting and Business Administration 14, 15, 16. (See Art 51, 52, 53.)

91. Cost Accounting.—Autumn. M. T. W. F., 8:30. Four hours credit. Allen.

Introduction to methods and principles of cost finding. Specialized methods of handling materials costs, labor costs and overhead expense. Course 62 advised in connection with this course. prerequisite: Accounting and Business Administration 50, 51 and 52.

92. Advanced Cost Accounting.—Winter. M. T. W. F., 8:30. Four hours credit. Allen.

Industrial accounting. Practical work in cost determination. Analysis of uniform cost accounting systems of modern industries. Prerequisite: Accounting and Business Administration 90.

93. Income Tax Procedure.—Autumn. M. W. F., 1:30. Three hours credit. Allen.

Federal and State income tax regulations and procedure. This course is designed to qualify the student for practical income tax work. Prerequisite: Accounting 50, 51, and 52.

94. Auditing Theory.—Winter. M. W. F., 1:30. Three hours credit. Allen.

Principles and methods of public accounting work. Rules of professional responsibility and conduct. Advanced interpretation of accounts and financial statements. Prerequisite: Accounting and Business Administration 50, 51, and 52.

95. Auditing Practice.—Spring. M. W. F., 1:30. Three hours credit. Allen.

Practical work in auditing. Technique of verification of accounts and financial statements. Audit working papers. Prerequisite: Accounting and Business Administration 94.

96. Advanced Accounting Problems.—Spring. M. T. W. F., 8:30. Four hours credit. Allen.

C. P. A. and American Institute of Accountants' problems. This course is primarily a review of advanced accounting. Courses recommended as preparation: Accounting and Business Administration 50, 51, 52, 90, 93, and 94; Finance and Banking 21, 22, 23, 51 and 52. Prerequisite: Accounting and Business Administration 50, 51, and 52.

Graduate Courses

101. Cost Accounting. (See Accounting and Business Administration 91.)

102. Advanced Cost Accounting. (See Accounting and Business Administration 92.)

103. Income Tax Procedure. (See Accounting and Business Administration 93.)

104. Auditing Theory. (See Accounting and Business Administration 94.)

105. Auditing Practice. (See Accounting and Business Administration 95.)

106. Advanced Accounting Problems. (See Accounting and Business Administration 96.)

111-112-113. Research in Accounting. Hours and credit to be arranged with instructor.

114-115-116. Research in Statistics. Hours and credit to be arranged with instructor.

AGRONOMY

Professors Martin, Nelson, Stewart; Associate Professor Sudweeks; Mr. Coffman, Mr. Shaw.

Lower Division Courses

21. Root Crops.—Autumn. Daily, 10:30. Four hours credit. Shaw.

Sugar beets and potatoes receive special emphasis. Seed selection, testing, discussion of experiment station results, etc.

22. Cereal Crops.—Winter, 10:30. Four hours credit. Shaw.

Selecting, grading, judging, and methods of production are studied. Special emphasis will be placed upon a review of the results obtained at the various experiment stations throughout the world, the aim being to gain, not only theoritical material, but much practical information obtained at great cost by the scientific investigators.

23. Forage Crops.—Spring. Daily, 10:30. Four hours credit. Shaw.

History, cultivation, experiment station results, etc.

41. Soils.—Autumn. M. W. F., 1:30. Lab. Mon. 2:30-4:30. Three or four hours credit. Martin.

The aim of this course is to give to the student a general idea of soil science. It is intended to furnish agricultural students with the fundamental principles underlying the problem of soils, and also to constitute a survey course for majors in agronomy.

Such topics as a fundamental conception of soil, how plants feed, the physical, chemical and bacteriological nature of soils, soil alkali, nitrogen relationships, fertilizers and fertilizer practice, green manures. barnyard manures and crop rotations, will be discussed. Field trips will be made.

Upper Division Courses

52. Soil Fertility.—Winter. M. T. W. F., 1:30. Laboratory period M. 2:30-4:30 (prerequisite for laboratory, Chemistry 6.) Three or four hours credit. Martin.

This course deals especially with availability of soil nutrients, alkali soils, soil organisms, farm manures, green manures and crop rotation.

57. Soil Geology.—Spring. M. W. F., 8:30. Three hours credit. Martin. See also Geology 57.

Prerequisites, Geology 1. Agronomy 41. General Chemistry is also advised. This course considers the nature and formation of soils. Topics such as the following will receive attention: rocks and minerals—their soil and plant relationships; influence of glaciers on soil formation; effect of decomposing organic matter on the nature of the soil formed; mechanical and chemical agencies of rock decay. Also a study will be made of the major soil divisions of the United States. Field trips will be made together with some laboratory work with rocks and minerals. Some class periods will be given over to field and laboratory work.

61. Farm Management.—Winter. T. Th., 8:30. Two hours credit. Shaw.

This course takes up the general consideration of farm management, types of farming, organization of farm business, soil management factors, sources of profit and loss, farm management surveys, etc. It is suggested that the following courses precede the courses in farm management: Economics 11, 12; Horticulture 1, 2; Animal Husbandry 2, 21; Agronomy 22, 23, and 41.

62. Farm Management.—Spring. T. Th., 8:30. Two hours credit. Shaw.

A continuation of course 61.

63. Irrigation and Drainage.—Autumn. Three hours credit. Coffman. (See Geology 63.)

64. Teaching of Agriculture.—Two hours credit. Autumn. Sudweeks. (See Secondary Education 63.)

70. Range and Forest Soils.—One to four hours credit. Stewart and Martin.

Nature and quality of soils as they occur on ranges and forests of the intermountain region; physical and chemical properties of these soils; distribution of principal soil types, particularly in relation to the native vegetation; irrigation and its influence on the soil cover and on plant production. Advanced students admitted by application for thesis problem in field during spring, summer or autumn.

91. Western Land Problems.—Spring. M. W., F. Three hours credit. Nelson. (See Economics 91.)

92. Soil Bacteriology.—Autumn. M. W. F., 8:30. Three hours credit. Martin.

Prerequisites, Botany 21, and Agronomy 41, 52. A lecture course designed to acquaint the student with bacteria in relation to soil fertility. A study will be made of ammonification, nitrification, nitrogen fixation, organic matter and mineral transformation, energy transformation, microbiological analysis, oxidation and reduction processes, influences of environmental conditions, etc.

93. Soil Bacteriology.—Autumn. W. F. 2:30-5:30. Two hours credit. Martin.

A laboratory course to accompany course 92. It will consist of a study of methods used in bacteriological investigation. Prerequisites, Botany 21, 22 and Chemistry 6.

94. History of Agriculture.—M. W. F., 10:30. Three hours credit. Nelson. (See Economics 93.)

95. Soil Mycology.—Winter. W. 10:30 and laboratory period W. F., 2:30-4:30. Three hours credit. Martin.

A morphologic physiologic and identification study of molds and actinomycetes. Special emphasis on soil forms and their relationship to organic matter decomposition.

96. Seminar.—One hour credit each quarter Martin and Nelson.

Current agronomic literature, agricultural problems. Assigned topics will be considered in the form of a round table discussion. Required of all seniors and graduate students majoring in agronomy.

97. Research.—Seniors specializing in agronomy may elect research work from three to six hours. Time and credit to be arranged. Martin.

98. Advanced Laboratory in Soil.—Credit, time, and subject matter to be arranged. Martin.

Chemical, bacteriological and other special laboratory work.

99. Agricultural Literature.—A study of agronomic literature. Special problems and written reports. Time and credit to be arranged. Martin.

Graduate Courses

170. Range and Forest Soils.—Four or five hours credit. Stewart.

191. Western Land Problems.—Three hours credit. Spring. Nelson.

192. Soil Bacteriology.—Autumn. M. W. F., 8:30. Three hours credit Martin.

193. Soil Bacteriology.—Autumn. W. F., 2:30-5:30. Two hours credit. Martin.

195. Soil Mycology.—Three hours credit. Martin

196. Seminar.—Credit to be arranged.

197. Research.—Time and credit to be arranged.

198. Advanced Laboratory in Soil.—Time and credit to be arranged.

199. Agricultural Literature.—Time and credit to be arranged.

200. Thesis.—Credit to be arranged.

ANIMAL HUSBANDRY

Assistant Professor Ivins; Dr. Cullimore.

Lower Division Courses

1. Elementary Stock Judging.—Autumn. 1:30-4:30. M. W. F. Three periods of three hours a week. Three hours credit. Ivins.

This course consists of a study of the market types and classes of live stock. Field trips will be made to farms of the county where practice in scoring and judging of animals will be done.

2. History of Breeds.—Autumn. Daily 9:30. Five hours credit. Ivins.

All the breeds of live stock will be studied. Special emphasis will be directed to the condition under which the breeds were formed, the men who did the work, and the adaptability of the breed to western conditions.

4. Beef Cattle Husbandry.—Winter. T. Th., 9:30 Two hours credit. Ivins.

This course is a consideration of the types and breeds, feeds, care and management of beef cattle for western conditions. The student will be made familiar with beef animals by frequent field trips.

5. **Sheep Husbandry.**—Spring. T. Th., 10:30. Two hours credit. Ivins.

Types and breeds of sheep will be reviewed, followed by study of the management, care and feeding of sheep, both on the range and on the farm.

6. **Swine Husbandry.**—Winter. T. Th., 10:30. Two hours credit. Ivins.

Types, breeds and management of swine and their place on western farms. Emphasis will be put on their relation to dairy farming.

7. **Feeding of Farm Animals.**—Spring. M. W. F., 10:30. Three hours credit. Ivins.

A study of the chemical composition of feeds, the needs of the animal body, the compounding of rations and methods of practice in feeding.

8. **General Poultry.**—Winter. M. W. F., 9:30. Three hours credit. Ivins.

A study of breeds, judging, breeding, incubation, brooding, housing, feeding and marketing.

9. **Diseases of Farm Animals.**—Winter. M. W. F., 1:30. Three hours credit. Ivins. (Not given this year.)

A study of the anatomy of farm animals, of the common diseases of horses, hogs, and poultry; their causes, prevention, and treatment.

21. **Elements of Dairying.**—Autumn. M. W. F., 8:30. Three hours credit. Ivins.

A general survey of dairying and its relation to Utah agriculture; the secretion, composition and properties of milk; the conditions that affect quantity and quality of milk; the Babcock test, the farm separator the lactometer, methods of creaming, care of milk on the farm, use of milk and its products as human food.

Upper Division Courses

51. Animal Breeding.—Spring. M. W. F., 1:30 Three hours credit. Ivins.

The aim of this course is to study the specific principles, practices, and methods involved in the breeding and development of domesticated animals. Such topics as Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, records, etc., are considered. Prerequisite, Zoology 78, or Botany 80.

59. Types and Breeds of Poultry.—Spring. T. Th. 9:30. Two hours credit. Ivins.

A study of the popular breeds of domestic fowls, their origin, methods of classification, standard requirements, methods of mating and breeding. Designed especially for students planning to engage in Smith-Hughes and club work.

61. Special Poultry Problems.—Autumn. T. Th., 9:30. Two hours credit. Prerequisite Animal Husbandry 8.

Detailed study of problems of housing, brooding, feeding and culling. Study of latest developments in these fields, using current literature as basis of work.

65. Animal Physiology.—Spring. M. W. F. Laboratory T., 1:30-4:30. Five hours credit. Cullimore. (See Zoology 65.)

81. Milk and Milk Products.—Winter. M. W. F., 10:30. Three hours credit. Ivins.

A course dealing with the properties, composition, and constituents of milk, the manufacture and marketing of milk products. Prerequisite Animal Husbandry 21 and one year bacteriology.

91. Dairy Survey.—Winter. Time to be arranged. One hour a week. One hour credit. Ivins.

A study of current literature and experiments in dairy work. Each student will be expected to make reports on various subjects in this field which will be discussed by the class.

92. Seminar.—Spring. Time to be arranged. One period a week. Ivins.

Current literature and problems in the field of Animal Husbandry will be studied and discussed. Required of all seniors who major in Animal Husbandry.

98. Experimental Animal Nutrition.—Open to senior and graduates only. Prerequisite 5 hours in organic or bio-chemistry, and animal husbandry 7. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged.

Graduate Course

110. Research in Nutrition.—Time and credit to be arranged. Ivins.

Open to graduates only, major or minor. Designed for students in Animal Husbandry and Home Economics who desire to get acquainted with the problems of nutrition.

ART

Professors Eastmond, Larsen; Assistant
Professor Jensen; Mrs. Gourley

Students majoring in art are required to take courses 1, 2, 3, 7, 8, 9, 21, 11, 12, 13, 38, 39, 40.

Lower Division Courses

1. **Art Appreciation.**—Autumn. M. W., 1:30. Two hours credit. Eastmond.

Foundational principals of art introduced as a means of the appreciation of natural scenery. Prehistoric structure, sculpture, drawing and decoration. Illustrated lectures.

2. **Art Appreciation.**—Winter. M. W., 1:30. Two hours credit. Eastmond.

Interpretation and classification of the world's greatest masterpieces of historic and modern architecture, sculpture and decoration. Illustrated lectures.

3. **Art Appreciation.**—Spring. M. W., 1:30. Two hours credit. Eastmond.

Interpretation and classification of the world's greatest masterpieces of historic and modern painting. Illustrated lectures.

7. **Graphic Representation.**—Autumn. M. W. F., 2:30. Two hours credit. Larsen.

Object drawing in various media. Emphasis upon tone study in charcoal and upon mass media. Linear and circular perspective.

8. **Graphic Representation.**—Winter. M. W. F., 2:30. Two hours credit. Larsen.

Continuation of Art 7. Emphasis upon drawing from still life, the cast, and the costume model. Objective composition.

9. Graphic Representation.—Spring. M. W. F., 2:30. Two hours credit. Larsen.

Continuation of Art 8. Study of perspective. Outdoor sketching in pencil and crayon media.

11. Water Color Painting.—Autumn. T. Th., 3:30 to 5:30. Two hours credit. Eastmond.

Pictorial composition and color study. Theory of color emphasized.

12. Water Color Painting.—Winter. T. Th. 3:30 to 5:30. Two hours credit. Eastmond.

Continuation of Art 11. Pictorial composition emphasized. Decorative landscape painting. Theory of color continued.

13. Water Color Painting.—Spring. T. Th., 3:30 to 5:30. Two hours credit. Eastmond.

Continuation of Art 12. Development of individual expression. Study of temperament in painting. Composition and outdoor sketching emphasized.

14, 15, 16. Commercial Art.—Autumn, Winter, Spring. T. Th., 1:30. One to two hours credit each quarter. Jensen.

Show card writing, poster design; advertising arrangement.

17, 18, 19. Process Illustration.—Autumn, Winter, Spring. T. Th., 10:30. Two to four hours credit each quarter. Eastmond.

Method of drawing and painting for illustration. Drawing for the various process methods of modern engraving. Correlative illustration. (Art 7 is prerequisite to 18.)

21. Theory and Practice of Design.—Autumn, Sec. 1 M. W. F., 1:30. Sec. 2 T. Th., 1:30: Sections are arranged to correlate with the lines of work taken up in Art 25, 28, 29, etc., 32 p. 35, 47, etc. Two hours credit. Eastmond and Larsen.

Rhythm, balance, harmony, and other foundational principles. Color study. The principles of design and color theory that are fundamental to pictorial composition, process illustration, commercial art, applied arts, stage craft, scenery painting, textile arts, interior decoration, costume design, mechanic arts design, normal art, etc.

25. **Domestic Art Design.**—Winter, T. Th., 1:30. Studio hour to be arranged. Two hours credit. Eastmond.

A study of line, proportion, and color as applied to china painting, needle crafting, leather crafting, decorative block printing, etc. Theory of color adapted to creative design. Prerequisite, Art 21.

26. **Domestic Art Design.**—Spring. T. Th., 1:30. Studio hour to be arranged. Two hours credit. Eastmond.

Continuation of Art 25. Original design for decorative work to be applied in various ways.

28. **Home Planning and Applied Art.**—Winter M. W. F., 1:30. Two hours credit. Larsen.

House planning. Historic development of the house. Location and environment. Study of line, form, and color.

29. **Home Planning and Applied Art.**—Spring. M. W. F., 1:30. Two hours credit. Larsen.

Interior decoration and home furnishing. Study of wall finishes and decoration. Floors, floor finishes and coverings. Natural and artificial lighting. Draperies, upholstering. Furniture, pictures and bric-a-brac.

Study of color, texture, scales, structural unity and the proper use of ornament. Art crafts work introduced.

32p. Ceramic Art (China Painting, etc.)—Winter. Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite, Art 21. Mrs. Gourley.

Application of the various methods of original design in the decoration of appropriate wares.

33p. Ceramic Art.—Spring. Time to be arranged. One, or two hours credit. Special fee for private instruction. Prerequisite, Art 25. Mrs. Gourley.

Continuation of Art 32. Emphasis on original designing.

35-36. Mechanic Arts Design.—Winter, Spring. M. W. F., 1:30. Two hours credit.

Application of design principles applied to the work of mechanic arts. Art 21 required.

38. Outdoor Sketching With Oil Colors.—Autumn. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Landscape study. Brush drawing of trees and other landscape elements. Representation of foreground, middle distance, and distance. Landscape composition.

39. Still Life and Figure Painting With Oil Colors.—Winter. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Painting of flowers, fruits, pottery, and other still life objects. Pictorial composition emphasized.

Continuation of Course 38.

40 Outdoor Sketching With Oil Colors.—Spring, M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Continuation of 38 and 39.

41, 42, 43. Art For Elementary School Teachers.—Autumn, Winter, Spring, M. W. F., 3:30. One to three hours credit each quarter. Jensen.

Simple drawing and painting with various media. Paper cutting and construction, clay, crayons, water color, etc. Study of materials suitable for elementary applied design. Subject matter and standards of achievement for each grade. Objectives and methods emphasized.

47. Scenery Painting.— Winter. T. Th., 3:30. Two hours credit. Eastmond.

The principles of pictorial and decorative composition applied to the theatrical stage. Applied color theory. Stage property designing and painting. Practical scenery painting. Prerequisite Art 21.

Upper Division Courses

51-52. Advanced Illustration and Art Etching.— Autumn and Winter. T. Th. 10:30. One to four hours credit each quarter. Prerequisite Art 7, 8, 9. Eastmond.

Pictorial composition especially adapted to the various phases of line, tone and color engraving. Methods and practice of art etching.

54. Methods of Teaching Art.—Autumn and Winter. M., 3:30. Two hours credit. Eastmond. (See Secondary Education 62.)

61, 62, 63. Commercial Art.—Autumn, Winter, Spring. T. Th., 1:30. Two to four hours credit each quarter. Jensen.

Poster designing and lettering. Systems of lettering. Sign writing in various media. Historic alphabets. Prerequisites Art 14, 15, 16, 21.

64. **Water Color Painting.**—Autumn. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Objective landscape and still-life painting. Emphasis upn composition in line, mass and color. Outdoor sketching.

65. **Water Color Painting.**—Winter. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Subjective and decorative landscape painting, emphasized; nature motif work. Color theory applied.

66. **Water Color Painting.**—Spring. T. Th., 3:30 to 5:30. Two to five hours credit. Eastmond.

Continuation of Art 65. Outdoor sketching. Individual expresssion emphasized.

67. **Oil Painting.**—Autumn. M. W. F., 3:30 to 5:30. Two to four hours credit. Emphasis upon landscape painting. Larsen.

68. **Oil Painting.**—Winter. M. W. F., 3:30 to 5:30. Two to five hours credit. Larsen.

Painting from still-life and the costumed model.

69. **Oil Painting.**—Spring. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Outdoor sketching and landscape composition.

71, 72, 73. **Decorative Painting and Applied Art.**—Autumn, Winter, Spring. M. W. F., 2:30. Two to four hours credit each quarter. Eastmond.

Applied painting in oil and other media. Decorative composition correlated with interior decoration. Mural painting. Advanced scenery painting and poster designing. Creative designing applied to various art crafts.

74, 75, 76. **Art Pageant Production.**—Autumn. Winter, Spring. T. Th. 4:30. Two hours credit each quarter. Eastmond. Prerequisite, Art 21.

Pageantry as art expression. Principles of pageant composition. Symbolic representation. Study of tableau composition. Pageant costume and property designing. Color theory applied to lighting. Outdoor production.

80. **Home Planning and Applied Art.**—Winter. M. W. F., 1:30. Two hours credit. Larsen. (See Household Administration 50.)

81. **Home Planning and Applied Art.**—Spring. M. W. F., 1:30. Two hours credit. Larsen. (See Household Administration 51.)

Graduate Courses

151, 152, 153. **Advanced Process Illustration and Art Etching.**—Autumn, Winter, Spring. T. Th., 10:30. One to four hours credit. Eastmond.

167, 168, 169. **Pictorial Composition—Oil Painting.**—Autumn, Winter, Spring. M. W. F., 3:30 to 5:30. Credit to be arranged. Larsen.

200. **Research in Art Education.**—Autumn, Winter, Spring. W., 3:30. Credit to be arranged.

BOTANY

Professors Martin, Stewart; Mr. Harrison.

Lower Division Courses

12. **General Botany.**—Autumn. M. W. F., 8:30, or Winter, M. W. F., 10:30; laboratory, Th. or F., 1:30 to 4:30. Four hours credit. Harrison.

This course considers the fundamentals of plant structure, plant physiology, and reproduction together with an outline of plant groups and their relationships. Following the study of seed plants the course will consider representative members of the fungi, algae, liverworts, mosses, and ferns, their evolution, and their relationship to each other and to seed plants.

15. **Field Biology.**—Spring. T. Th., Sec. 1, 7:30. Sec. 2, 3:30. Two-hour period. Two hours credit.

A course in general nature study, especially intended for teachers of primary and secondary grades.

21. **General Bacteriology.**—Autumn or Winter. M. W. F., 10:30. Three hours credit. Martin.

The course will consist of a study of the general characteristics and activities of microorganisms and their relation to man.

22. **General Bacteriology.**—Autumn or Winter. Two hours credit. T. Th., 1:30-5:30. Martin.

Laboratory course in general bacteriology, designed to accompany Botany 21.

Upper Division Courses

50. **Algae and Fungi.**—Autumn. Two lectures and one three-hour laboratory period a week. Three hours credit. T. Th., 9:30.

A study of the morphology, life histories, classification and relation of the main groups of algae and fungi. Prerequisite, Botany 12.

51. **Liverworts, Mosses and Ferns.**—Winter. T. Th., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit.

A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Prerequisite, Botany 12.

52. **Seed Plants.**—Spring. T. Th., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit.

A study of the morphology, life histories, classification and relationship of the higher plants. Prerequisite, Botany 12.

55. **Spring Flora.**—Spring. Wednesday, 2:30. Laboratory M. F., 2:30 to 5:30. Three or five hours credit.

This course will consider a brief survey of the plant kingdom as illustrated by local forms. Students will learn to handle the botanical key and become independent in classifying plants. Prerequisite, Botany 12.

57. **Plant Ecology.**—Autumn. M. W., 9:30, also one field trip or laboratory period a week. Three hours credit.

This course will include a study of plants as they grow in nature. Their adaptions in relation to soil and climate will be a special consideration. Prerequisite, Botany 12.

58. **Geographic Ecology.**—Winter. M. W. F., 8:30. Three hours credit.

A course devoted to a survey of the various floristic regions of the earth, with emphasis on North American problems. The course should be of special interest to students who expect to travel. Botany 57 desirable.

59. **Range and Forest Ecology.**—Autumn, Spring or Summer. One to four hours credit. Stewart and Martin.

Distribution of desert, mountain, and forest plants as influenced by the climatic and soil environment, a special study will be made of the ecology in the intermountain region with an opportunity to concentrate on the native vegetation of the Lake Bonneville basin if desired. Advanced students may be admitted by application for thesis problem in field during spring, summer, or autumn.

60. **Plant Physiology.**—Winter. T. Th., 8:30, laboratory, M. W., 1:30 to 4:30. Four hours credit.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Botany 12 and Chemistry 1 and 2 or their equivalents.

61. **Plant Histology.**—Spring. Time to be arranged. Three hours credit.

This is primarily a laboratory course in the technique of preparing, staining and mounting of sections for microscopical examination. Prerequisite, Botany 12.

70. **Diseases of Cultured Plants.**—Autumn. M. W. F., 10:30; laboratory M., 1:30 to 4:30. Four hours credit.

This course deals with the important diseases of local plants, their identification, cause and treatment. Prerequisite, Botany 12. Botany 50 recommended.

75. **Seminar.**—Autumn, Winter. One hour credit for each course.

81. **Pathogenic Bacteriology.**—Spring. M. T. Th., 1:30. Laboratory T. Th., 2:30 to 5:30. Five hours credit. Martin.

This course is designed to give to students an advanced course in bacteriology. It is designed for those desiring general information about human diseases and particularly for students who are preparing for the professions of nursing, public health work, dietetics and medicine. In class and laboratory work the following are among the subjects considered: methods used in cultivation of microorganisms; methods of handling disease materials for microbiological examination; organisms associated with the various diseases; the nature of the damage done by the organisms; and means of control. Diseases caused by filterable viruses, protozoa, fungi will be studied together with the subject of immunology.

85. **Advanced Laboratory In Botany.**—Credit, one to five hours. Time to be arranged.

90. **Advanced Systematic Botany.**—One to five hours credit per quarter depending on the quality and quantity of work done. Time to be arranged.

A course designed for students who are prepared to do independent and intensive work on special plant groups.

92. **Soil Bacteriology.**—(See Agronomy 92.)

93. **Soil Bacteriology.**—(See Agronomy 93.)

95. **Soil Mycology.**—(See Agronomy 95.)

Graduate Courses

103. Field Ecology.
104. Physiographic Ecology.
150. Algae and Fungi.
151. Liverworts, Mosses, and Ferns.
152. Seed Plants.
158. Geographic Ecology.
159. Range and Forest Ecology.
160. Plant Physiology.
161. Histology.
170. Diseases of Cultivated Plants.
175. Seminar.
181. Pathogenic Bacteriology.
185. Advanced Laboratory in Botany.
190. Advanced Systematic Botany.
192. Soil Bacteriology.
193. Soil Bacteriology.
195. Soil Mycology.
200. Research.

CHEMISTRY

Professor Maw; Mr. Peterson, Mr. Polly, Mr. Johansen, Mr. Colvin, Mr. Wing.

Students majoring in Chemistry must present credit in Chemistry 4, 6, 10, 51 and 52 or 82 and 83, 71, 72, 73, 74, and are advised to commence work in German or French and in Mathematics as early as possible.

Lower Division Courses

1. **Elementary General Chemistry.** — Autumn, Winter or Spring. Daily, 10:30. Four hours credit. Four lectures and demonstration periods and one quiz section. Maw, Peterson, Johansen and Colvin.

This course is an introductory survey of chemistry. It is intended for students who desire a knowledge of the subject for its cultural and informational value. Illustrations of the chemical principles emphasized are taken from everyday life. Students majoring in chemistry, physical science or doing premedical work should register for Chemistry 4.

2. **Elementary General Chemistry.**—Autumn, Winter or Spring. Time to be arranged. One to three hours credit depending on the quality and amount of work done. A laboratory course to follow Chemistry 1. This course may accompany Chemistry 1 but it is advisable to take Chemistry 1 first.

4. **General Inorganic Chemistry.**—Autumn or Winter. M. W. F., 8:30. Five hours credit. Three lectures and demonstration periods, one quiz section, and two two-hour laboratory periods. Maw, Peterson, Johansen, Colvin.

A technical and intensive study of the principles of inorganic chemistry in connection with the non-metals. Intended for students majoring in natural sciences or taking pre-medical work. Prerequisite, Chemistry 1 or High School Chemistry.

5. General Inorganic Chemistry.—Winter. M. W. F., 8:30. Five hours credit. Three lectures and demonstration periods, one quiz section, and two two-hour laboratory periods.

Continuation of Chemistry 4 including a discussion of metals. Principles of chemistry are emphasized. Practical application of these principles are constantly pointed out, as exemplified in industrial and engineering processes.

6. Principles of Chemistry and Qualitative Analysis.—Winter or Spring, M. W. F., 8:30. Five hours credit. Two lectures and demonstration periods, one quiz and three two-hour laboratory periods.

Theory and practice of inorganic qualitative analysis. The qualitative processes are inductively developed in the laboratory. Stress is laid on the facts upon which the separations are based, and upon principles, rather than mechanical processes, involved in the separations.

7. Chemical Calculations.—Winter and Spring.. One to two hours credit each quarter. Time to be arranged.

This course is designed to give extra practice in solving problems dealing with gas laws, equations, ionization, and other relations.

9. Elementary Organic Chemistry.—Autumn, M. W. F., 9:30. Five hours credit. Three lectures, one recitation, and one quiz period and two two-hour laboratory periods. Maw and Polly.

A brief discussion of the carbon compounds and their practical applications. This course is intended for students in home economics or students desiring a general knowledge of organic chemistry from the cultural point of view. Prerequisites Chemistry 1 and 2, or Chemistry 4.

10. Elementary Quantitative Analysis.—Autumn and Spring, T. Th., 8:30. Five hours credit. Two lectures and three three-hour laboratory periods.

This course gives training in elementary volumetric and gravimetric methods. A thorough training in proper laboratory technique is emphasized. Prerequisite Chemistry 6.

Upper Division Courses

51. **Advanced Inorganic Chemistry.**—Spring. T. Th., 1:30. Two hours credit.

Special topics in inorganic chemistry. Discussion of chemical theories and important generalization in the field of inorganic chemistry.

52. **Advanced Inorganic Chemistry.**—Winter. T. F., 2:30-5:30. Two or three hours credit.

Laboratory course to accompany Chemistry 51.

54. **Advanced Qualitative Analysis.**—Two or three hours credit according to the quality and quantity of work done.

57. **Laboratory Technique.**—Autumn, Winter,or Spring. Two hours credit. Time to be arranged.

This course aims to give training in glass manipulation and construction of apparatus.

61. **Quantitative Analysis.**—Autumn and Spring. T. Th., 8:30. Five hours credit each quarter. Two lectures and three three-hour laboratory periods.

Chemical theory and chemical principles are applied to problems of quantitative chemical analysis. Introductory gravimetric and volumetric analysis. Laboratory periods, 2:30-5:30. This course parallels Chemistry 10, but requires additional work.

62. **Quantitative Analysis.**—Autumn, Winter, or Spring. Lecture M. 2:30, and one to three three-hour laboratory periods. Two or four hours credit.

Continuation of Chemistry 10 or 61. Lectures and student reports on special topics and chemical methods.

70. Organic Chemistry.—Autumn. M. W. F., 9:30. Three hours credit. Three lectures. Introduction to the study of carbon compounds. Maw and Polly.

71. Organic Chemistry.—Autumn. T. Th., 2:30-5:30. Two hours credit. Maw and Polly.

Laboratory course to accompany Chemistry 71, consisting of a study of the more important syntheses and the reactions of the different classes or organic compounds discussed in the classroom.

72. Organic Chemistry.—Winter. M. W. F., 9:30. Three hours credit. Maw and Polly.

Continuation of Chemistry 71, emphasizing the aromatic compounds.

73. Organic Chemistry.—Winter. T. Th., 2:30-5:30. Two hours credit. Maw and Polly.

Laboratory course to accompany Chemistry 72.

74. Organic Chemistry.—Spring. M. W. F., 9:30. Three hours credit. Maw and Polly.

Continuation of 73. This course emphasizes advanced topics in organic chemistry.

75. Organic Chemistry.—Spring. M. W., 2:30-5:30. Two hours credit. Maw and Polly.

Laboratory course to accompany Chemistry 74.

76. Bio-Chemistry.—Spring. M. W. F., 7:30. Three hours credit. Maw.

Discussion of the chemistry of nutrition, digestion absorption, assimilation and excretion in the animal body.

77. Bio-Chemistry.—Spring. T. Th., 1:30-4:30. Two hours credit.

Laboratory course to accompany Chemistry 76.

78. Bio-Chemistry.—Autumn. Time to be arranged. Three hours credit.

Continuation of Chemistry 76.

79. Bio-Chemistry.—Autumn. Time to be arranged. Two hours credit.

Laboratory course to accompany Chemistry 78.

82. Introductory Physical Chemistry.—Spring. M. W. F., 9:30. Three hours credit.

This is a survey course of Physical Chemistry in which the fundamental principles with their applications are emphasized. Properties of substances in the gaseous, liquid, and solid states; solutions, ionization and thermochemistry are discussed. Prerequisite, college physics, and mathematics and chemistry 10.

83. Introductory Physical Chemistry.—Spring. T. F., 2:30-5:30. Two hours credit.

Laboratory courses to accompany Chemistry 82. Two three-hour laboratory periods.

84. Introductory Physical Chemistry.—Two hours credit.

Continuation of Chemistry 82. Homogenous systems, heterogeneous equilibria, catalysis, kinetics of reaction, photochemistry, periodic law, electrochemistry and surface chemistry.

85. Physical Chemistry.—Autumn. Time to be arranged. Two hours credit.

Laboratory course to accompany Chemistry 84.

86. Chemistry of the Colloidal State.—Spring. Time to be arranged. Three hours credit. One lecture and two laboratory periods.

Fundamental properties of substance in the colloid state. Assigned readings and reports.

90, 91, 92. Seminar.—Autumn, Winter or Spring. M., 4:30. One hour credit. Open to advanced undergraduates.

Graduate Courses

101. Colloidal Chemistry.—Spring. Time to be arranged. Three hours credit. One lecture and two three-hour laboratory periods.

Fundamental properties of substance in the colloid state. Assigned readings and written and oral reports.

103. Advanced Organic Chemistry.—Any quarter. Time to be arranged. Three hours credit. Three three-hour laboratory periods.

Organic Preparations.

104. Qualitative Organic Analysis.—Winter and Spring. Time to be arranged. Two hours credit. Two laboratory periods.

Problems and assigned readings. Practice in identifying organic compounds, by analysis, physical properties and the preparation of derivatives.

105. Quantitative Organic Analysis.—Spring. Time to be arranged. Two hours credit.

Quantitative analysis of organic compounds. Combustion methods for carbon, hydrogen and nitrogen.

106. Studies in the History of Chemistry.—Autumn, Winter, and Spring. One hour credit each quarter.

109. Advanced Inorganic Chemistry.—Autumn, Winter , and Spring. Hours and credit to be arranged.

Special topics in inorganic chemistry, written and oral reports.

110. Advanced Inorganic Chemistry.—Hours and credit to be arranged.

Inorganic preparations.

157. Qualitative Analysis of the Rare Elements.—Time to be arranged. Two hours credit.

163. Advanced Quantitative Analysis.—Autumn, Winter, or Spring. Time to be arranged. Two to ten hours credit according to the amount of work done.

Complete analysis of typical minerals will be carried out. Written reports.

166. Special Methods in Quantitative Analysis.—

a—Water Analysis.—Two hours credit.
b—Food Analysis—Two hours credit.
c—Electrolytic Analysis—Two hours credit.
d—Fire Assaying—Two hours credit.

These courses may be taken any quarter, the time to be arranged. Prerequisites Chemistry 6 and 62.

176. Bio-chemistry.—Spring. M. W. F., 7:30. Three hours credit.

Discussion of the chemistry of nutrition, digestion, absorption, assimilation, and excretion in the animal body.

177. Bio-chemistry.—Spring. T. Th., 1:30-4:30. Laboratory course to accompany Chemistry 176.

178. Bio-chemistry.—Autumn. Continuation of Chemistry 176.

179. Bio-chemistry.—Autumn. T. Th., 1:30-4:30. Laboratory course to accompany Chemistry 178.

182. Physical Chemistry.—Spring. M. W. F., 9:30. Three hours credit. Peterson.

183. Physical Chemistry.—Spring. T. F., 2:30-5:30. Two hours credit.

Laboratory course to accompany 182.

184. Physical Chemistry.—Time to be arranged. Two hours credit.

185. Physical Chemistry.—Time to be arranged. Two hours credit.

Laboratory course to accompany Chemistry 184.

190-191-192. Seminar. — Autumn, Winter, or Spring. M., 4:30. One hour credit.

200. Research.—Time and credit to be arranged. Independent work in investigations of problems in physical, inorganic, and analytical chemistry.

ECONOMICS

Professors Swenson, Miller, Nelson; Associate
Professor Boyle; Mr. Allen

The following courses are required for a major in Economics: Economics 1, 2, 14, 93, 94.

Lower Division Courses

1. Economics—Introduction and Principles.—Autumn, Winter, Spring. Daily. Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 1:30. Five hours credit each quarter. Miller and Allen.

A general survey of industrial society: its structure, its institutions, its operation. Historical background of the rise of modern capitalistic industry. A study of underlying assumptions of our present regime, such as private property, competition, and the social control of industrial activity. An elementary study of the production, exchange, distribution, and consumption of wealth.

2. Economics.—Winter, Spring. Daily. Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 1:30. Five hours credit each quarter. Miller and Allen.

This course is a more advanced study of the underlying principles of economics. An attempt is made to give the student an approach to the economic issues of the day by an intensive study of several of the most pressing contemporary problems and an intelligent appreciation of the factors which make for sound public policy. Prerequisite, course 1.

14. Economic and Financial History of the United States.—Autumn. M. W. F., 2:30. Three hours credit. Miller.

The economic development of the United States through the colonial era, the period of industrial revolution, and the westward movement to the present, with special emphasis upon economic integration and industrial organization.

30. Principles of Agricultural Economics.—Autumn. M. W. F., 9:30. Three hours credit. Nelson.

An analysis from the standpoint of economics of the industry of agriculture. The place and importance of land in human welfare; the problems of what to produce, the choice of land, proportioning the factors of production, rent and profits, and tenancy, will be among those treated in the course.

31. Cooperative Marketing.—Winter. M. W. F., 9:30. Three hours credit. Nelson. (Not given this year.)

An analysis of the problems of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers. Attention will be given to the factors which have made for success or failure in the history of cooperative marketing enterprises in America.

Upper Division Courses

53. Principles of Risk-Bearing.—Autumn. M. W. F., 10:30. Three hours credit. Boyle.

A course in which consideration will be given to life, health, accident, fire, property and liability insurance; principles of risk-bearing as they apply to each classification of the insurance field; organization and management of insurance companies. Prerequisite, Economics 1 and 2.

56. Transportation Problems.—Spring. M. T. W.

Th., 9:30. Four hours credit. Miller. (Not given this year.)

This course deals with the growth and development of railway transportation in the United States; the organization, construction and management of modern systems; the theory of rates; problems of competition; development of public regulation and railway legislation in the United States; general scope and importance of the railway problem at the present time.

60. Labor Legislation.—Spring. M. W. F., 9:30. Three hours credit.

The state in relation to labor. An intensive study of the legal aspects of the labor movement. Minimum wages, social insurance, regulation of hours, working conditions, etc. Foreign experiments in the field of government regulation and control.

61. Labor Problems.—Autumn. M. W. F., 8:30. Three hours credit. Boyle.

This course deals with the wage system, domestic industry, the factory system. The rise and growth of labor organizations. Special problems in labor and industrial unions, with a study of typical organizations. Collective bargaining, boycott, lockout, women and child labor, the effects of immigration upon the American laborer, the mediation and arbitration of industrial disputes.

62, 63. Personnel Administration. (See Accounting and Business Administration 62 and 63.)

67. Public Finance and Taxation.—Winter. M. W. F., 2:30. Three hours credit. Miller.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. A general study of the field of taxation.

75. International Economic Policies.—Spring. M. W. F., 1:30. Three hours credit. Miller.

A survey with particular reference to the United States, of the international aspects of the economic policies and activities of governments: including the fundamentals of the theory of international trade; purpose, structure, and history of tariffs; commercial treaties; methods of commercial diplomacy; and unfair competition in international trade. A brief discussion of reparations and interallied debts will be given.

76. History of Economic Thought.—Spring. Daily, 2:30. Five hours credit. Miller.

The development and trend of economic thought from early times to the establishment of the classical school. A brief survey of economic thought up to about 1750 will be given. A more intensive study of writers will begin here, covering especially Smith, Malthus, Ricardo and Mill.

91. Western Land Problems.—Spring. M. W. Th., 10:30. Three hours credit. Nelson.

A survey of the outstanding land problems of the Western States, particularly those of the Rocky Mountain division. Attention will be given to the questions of land utilization, reclamation, grazing, the public domain. Special class reports by students will be required.

92. American Agricultural Reform.—Winter. M. W. F., 9:30. Three hours credit. Nelson.

A review of the agrarian movements for economic and social reform in America, including the Patrons of Husbandry, the Farmers' Alliance, the Farmers' Union, the Non-Partisan League, and the American Farm Bureau Federation. Subordinate treatment is given to recent and current programs for farm relief.

93. Economic History of Agriculture.—Spring. M. W. F., 9:30. Three hours credit. Nelson. (Not given this year.)

The development of agriculture from its primitive beginnings in the Old World to the present time. The forms of agricultural settlement; the relation of agricultural to urban economy; agricultural revolutions, and measures of reform. Crops and livestock in America; historical background of contemporary agricultural problems.

94-95. **Advanced Economics.**—Autumn, Winter. M. W. F., 8:30. Three hours credit each quarter. Swenson. Prerequisite, Economics 11, 12, 13.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

Graduate Courses

101. **Advanced Economics.**—Autumn. M. W. F., 8:30. Three hours credit. Prerequisite, Economics 11, 12, 13. Swenson.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

102. **Advanced Economics.**—Winter. M. W. F., 8:30. Three hours credit. Swenson.

Continuation of 101.

160. **Labor Legislation.**—Spring. 9:30. Three hours credit. Miller.

161. **Labor Problems.**—Winter. M. W. F., 9:30. Three hours credit. Boyle.

175. **International Economic Problems and Policy.**—Spring. Three hours credit. Miller.

176. **History of Economic Thought.**—Spring. Daily, 2:30. Five hours credit. Miller.

191. **Western Land Problems.**—Spring. M. W. F., 10:30. Three hours credit. Nelson.

197. **Research.**—Time and credit to be arranged. Staff.

200. **Thesis.**

EDUCATIONAL ADMINISTRATION

Associate Professor Lambert; Professor Merrill; Associate Professor Sudweeks; Assistant Professors Boyle and Jensen

Students who desire to complete an undergraduate major in Educational Administration need not wait until the senior year to plan definitely for such work. A decision to major in this department should be made preferably by the beginning of the junior year. It is better, naturally, to have had a regular teaching course and some experience in teaching before completing a major in administration. This statement is not to be construed, however, as a fixed prerequisite for a major in this department.

For students who do elect to major in this department a reasonable preparation in the following fields is expected by the close of the senior year: (1) General Education Organization and Administration; (2) School Finance, Business Management and Techniques of Budget Administration; (3) Personnel Problems of the Teaching Staff: (4) Statistical Methods, Tests, Measurements, and Modern Examinations (5) Techniques in Supervision, (6) The Work of the Superintendent and of the Principal. Some supporting work in Educational Psychology, Curriculum Building and Revision, History of Education, and General Theory or Philosophy of Education, (as these fields are offered in other departments of the University) is recommended. By consent of the head of this department, certain courses in other departments may be accepted toward fulfillment of a major in educational administration.

In general, the following guiding sequences in department requirements are recommended: (1) In freshman and sophomore years, the regular university group requirements, and the foundations in some academic teaching field; (2) In the junior year, Educational and Adolescent Psychology, Curricula, Statistical Methods, Tests and Measurements, and Educational Administration 73, 80; (3) In the senior year, Educational

Administration 75, 76, 111, 178, 182. Graduate majors are programmed by conference with the head of the department.

Undergraduates majoring in administration who have also kept up some academic teaching field, find themselves advantageously equipped for placements in positions where, during the beginning years of professional administrative service, assignments to teach accompany the administrative assignments.

Lower Division Courses

5. **School Organization and Administration.**—(Same as Elementary Education 5. The school law, etc.) Autumn, Winter, and Spring. M. W. F., 9:30. Three hours credit. Boyle.

Upper Division Courses

50. **Rural Education.**—Spring. Three hours credit. Merrill. (Not given this year.)

This course deals with rural and educational problems which confront the teachers in the rural communities of the intermountain states.

69. **Measurements of High School Teaching.**—(Same as Secondary Education 69) Spring. M. T. W. Th., 1:30. Four hours credit. Sudweeks.

73. **General Educational Organization and Administration.**—Autumn. M. T. W. Th., 1:30. Winter 9:30. Four hours credit. Lambert.

This course offers students an opportunity to study the various ways in which states, counties, cities, and districts are organized for the administration of public education. The powers and duties of state boards, city boards, and district boards are considered together with the functions of the superintendent and other school officials. The course deals largely with the problems encountered in the actual administration of a school system. This course is the foundation of a major in educational administration. It is also the best general elective for those who desire a general insight into the administrative field.

75. Educational Supervision.—Spring. M. T. W. Th., 1:30. Four hours credit. Lambert.

This course deals with the principles underlying the organization and supervision of classroom instruction. It gives much consideration to objective techniques for supervision. It considers the relationships of teachers, supervisors and administrative officers. The course is planned to assist those who are preparing to do general supervision or to supervise in average systems in the special subjects. The course assumes some knowledge of general administrative practice, of the current theories of classroom procedure, and of educational psychology and testing. The course is open only to seniors and to graduate students.

76. The Work of the School Principal.—Spring. M. W. F., 10:30. Three hours credit. Lambert.

This is a course which deals with the practical problems of administering a single school; the organization and administration of buildings, playgrounds, equipment, schedules, student activities, and pupil personnel. It gives large consideration to the supervisory functions of the principal. School publicity and community relationships are considered. Open to both men and women who are preparing for principalships of elementary schools, junior, or senior high schools, and to other students who desire an elective course in the practical aspects of school administration. The course is conducted largely on a problem basis.

79. Statistical Methods.—Autumn. M. W. F., 2:30. Three hours credit. Sudweeks.

This course deals with the principles and methods underlying the compilation and interpretation of educational statistics. Students who have had Mathematics 13, should consult the instructor.

NOTE: Students will find that a definite knowledge of certain mathematics involved in college algebra and analytic geometry are very valuable bases for the work in this course.

80. Standard Tests and Testing.—Winter. M. W. F., 8:30. Three hours credit. Sudweeks.

Educational Administration 81 and this course are designed to cover the field of tests and examinations in elementary and high schools. A study of standard tests available for all grades. Each student will carry out a complete testing project in the University Training School from the choice of problem to the planning of remedial teaching.

81. Old and New Type Examinations.—Winter. T. Th., 8:30. Two hours credit. Sudweeks.

The place of the old type examination and its improvement. The use and forms of the new type examination. With Educational Administration 80, it covers the field of tests and examinations in elementary and high schools.

85. Administration of School Transportation.—Spring. T. Th., 10:30. Two hours credit. Lambert.

This course offers students an opportunity to study school transportation as a necessary part of the school program in consolidated districts, and as a special factors in a state equalization program. It deals with the techniques of determining the needed amounts of transportation and the methods of setting up the transportation system and of administering the details of particular busses and routes. It deals with costs, and methods of financing school transportation.

Graduate Courses

111. School Finance and Business Management.—Winter. M. T. W. Th., 1:30. Four hours credit. Lambert.

This course will include a study of various systems of raising school revenue. It considers in detail the school revenue system of the State of Utah, including the new program of equalization. It deals with methods of expending school money and accounting for it. It deals with methods of making cost analyses, and estimating financial abilities of states and school districts. Methods of building a school budget and of administering it are considered. A course in general educational administration or its equivalent is a necessary prerequisite to this course. Required of all graduates majoring in the department. Undergraduate students may register by consent.

148. Introduction to Research and Thesis Writing.—Autumn, Winter. T. Th., 10:30. Two or three hours credit. Lambert. (See Secondary Education 148.)

This is a course dealing with the principles of scientific procedure and the acceptable techniques of research as they relate to the preparation of a thesis. It is designed to assist students in the selection and refinement of a thesis problem, in the use of sources of materials, in the application of appropriate techniques to the solution of the problem and in organizing and writing the results of investigation into an acceptable report. It considers also acceptable techniques in preparing a bibliography. Senior students may enter with consent of the instructor. All candidates for the Master degree in the College of Education are required to take this course.

150. Graduate Seminar in Education Problems.—Alternate Mondays 7:30 to 9:30 P. M. Any quarter, upon request of five or more students. One hour credit. Lambert.

173. General Educational Organization and Administration.—Autumn, 1:30. Winter, 9:30. M. T. W. Th., Four hours credit. Lambert.

This course parallels Educational Administration

73 and is given for graduate students who have not had a basic course in educational administration, and for those who desire to do intensive work in this field. This course is basic to all graduate work in this department.

175. Educational Supervision. — Spring, 1:30. Four hours credit. Lambert.

This course is for graduate students and parallels Educational Administration 75.

176. The Work of The School Principal.—Spring, 10:30. Three hours credit. Lambert.

This course parallels Educational Administration 76 and offers graduate students opportunity to do intensive work in the problems of administering the work of one unit of the school system.

178. Specific Administrative Problems of the Superintendent in Consolidated School Districts.—Autumn. M. W. F., 9:30. Three hours credit. Lambert.

This course is designed to follow or parallel Educational Administration 173 and is directed not so much toward problems of organizing administrative units, nor the functions of state and local school boards, superintendents and other officials, as it is directed toward the immediate problems of electing and assigning the teaching corps, of devising salary schedules, studying relationships between salaries and cost of living, administering an in-service training program, rating and re-assigning teachers, and handling the many detailed problems of teacher personnel.

179. Statistical Methods. — Autumn. 2:30. Three hours credit. Sudweeks.

A course designed for graduate students preparing to do statistical research work. Required of all candidates for the Master degree in Education unless equivalent work has been done in undergraduate courses.

NOTE: Students will find that a definite knowledge of certain mathematics involved in college algebra, and analytic geometry, are very valuable bases for the work in this course.

182. Educational Journals.—Spring. One hour credit. Lambert.

This is a seminar course providing opportunity for students to become acquainted with magazine and monograph material in Education.

185. Administration of School Transportation.—Spring. 10:30. Two hours credit. Lambert.

This course parallels Educational Administration 85 and offers graduate students an opportunity to do some specialized work in this field.

186. Administration of Private and Parochial Schools and Seminaries.—Spring. T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to study the place of the private and the denominational school in America together with the problems of relationships between private schools and the state schools.

200. The Masters Thesis in Educational Administration.—Autumn. Winter. Spring. Lambert, Sudweeks.

Credit of two to four hours, depending upon the magnitude and difficulty of the problem solved, is granted in the last quarter upon the completion of a satisfactory thesis. The conditions of this thesis are set forth in the regulations of the Graduate School, and candidates are urged to read that portion of this catalogue with great care.

ELEMENTARY EDUCATION

Assistant Professor Boyle; Associate Professors Sudweeks,
Lambert; Assistant Professors Dusenberry, Ollerton,
Peterson, Brown, Jensen, Hanson; Doctors Cullimore, Oaks, Merrill; and Faculty of Elementary Training School

Students majoring in Elementary Education should conform to the following sequence of courses:

Freshman year: Elementary Education 1, Psychology 21, Zoology 20, History 1, Speech 1 or 11, English 1, 2, 3, Library 1, Physiscal Education 21, 22, 23.

Sophomore year: Elementary Education 12, Geography 52, History 82, Theory of Music 41 or 42, Art 21 or 41, 42.

Junior year: Elementary Education 51, 52, 53, 54, 55, 61 or 62.

Senior year: Elementary Education 63, Educational Administration 75 and 79.

The following courses in other departments are suggested for those who are preparing for Elementary Teaching: Art 41, 42, 43; Theory of Music 41; Physical Education 21, 22, 23; Secondary Education 51, 57. With the approval of the major professor courses from other departments of the College of Education may be offered to fill major requirements for a degree.

Lower Division Courses

1. Principles of Education.—Autumn, Winter or Spring. M. T. W. Th. Four hours credit. Sudweeks.

This is an introductory survey course in education, planned to cover the general field It serves to orient the student and to introduce him to the other courses in education. Required of all students qualifying for elementary teaching; recommended for all majoring in Elementary Education. The principal topics covered are: the Child, the Teacher, Objectives in Training, the Teaching Process, Measurement, and the American Public School.

12. The Elementary School Curriculum.—Autumn, Winter. Daily. Five hours credit. Boyle, Brown.

This course meets the requirements of the Utah State Board of Education for knowledge in this field. It includes a study of representative courses of study, a study of sources of materials, guidance in the selection and organization of materials into suitable teaching units with attention to sequences, time allotment, and programming. The course attempts also to meet the general demand for a greater mastery of subject matter, but time is not taken in the course to make extensive reviews of the common branches. Evidence of reasonable mastery of elementary school subjects as furnished by results of a comprehensive series of informal and standard tests given preliminary to and parallel with this course is a prerequisite to credit.

20. Story Telling and Children's Literature.—Autumn, Winter or Spring. T. Th., 8:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes and poems have been largely derived, and practical exercises in the oral presentation of this material.

21. Juvenile Literature.—Winter or Spring. T. Th., 9:30. Two hours credit. Dusenberry.

A study of literature will be made in a sufficiently detailed way to give a basis for selection, appreciation, and presentation of the best and most suitable material for the elementary school. Graded lists of various types of stories and poems will be completed. This course is a continuation of 20.

22. Hygiene and Sanitation.—(Health Education)—Autumn ,Winter, or Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, Merrill.

Same as Zoology 20. Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

Upper Division Courses

50. Kindergarten and First Grade Education.—Winter. M. W. F. 9:30, Three hours credit. Brown.

A course planned for students beginning the study of the method of teaching kindergarten and first grade pupils. This course should be taken by all students who plan to begin practice teaching in these grades.

51, 52. Methods.—Autumn and Winter. M. T. W. Th., 10:30. Three hours credit, each quarter. Sec. 1, Brown; Sec. 2, Peterson; Sec. 3, Peterson.

Sec. 1. Methods of teaching in the Primary grades. The course deals with the fundamental methods used in lower primary teaching. The course parallels Elementary Training. A careful study of the method of teaching reading, language, and spelling in the first two grades will be made. During the winter quarter methods of teaching handwriting, arithmetic, geography, and history will be considered. This will be supplemented by demonstrations in the Training School.

Sec. 2. Methods of teaching in the Intermediate grades. This course also parallels Elementary Training for those who expect to teach in the intermediate grades. Careful consideration will be given to the special methods involved in the teaching of spelling, handwriting, reading, and English; and during the winter quarter methods of teaching history, arithmetic, community civics, elementary science, and geography will receive consideration.

Sec. 3. Methods of teaching the upper grades.

This course, also, must precede or parallel Elementary Training. Emphasis will be placed on the types of classroom exercises suited to children of these grades. Special methods in reading, spelling, language, etc. will be studied during the first part of the course; and during the winter quarter a study of the special methods of teaching arithmetic and social science will be made.

54. **Elementary and Kindergarten Training.**—Autumn, Winter and Spring. Daily from 1:30 to 3:30. Ten hours credit. Brown, Peterson.

This is essentially a laboratory course affording opportunity for practice teachers to apply the principles of teaching developed in the theoretical course.

Students will teach not fewer than one hundred hours. This course is open to sophomore and junior students. Elementary Education 1, Psychology 21, Elementary Education 12 or equivalents are prerequisites for this course. Should the enrollment exceed the capacity of the Training School a selection may be made on the basis of tests and the record in the prerequisite courses.

55. **School Organization and Administration.**—Autumn or Winter. 9:30. M. W. F. Three hours credit. Boyle.

This course will acquaint beginning teachers with the school as an institution in its relation to the state and the community. It will introduce in an elementary but practical way the problems of school organization. It will include the study of the school law as it applies to the elementary school, the means and the agencies by which the law is administered, and the educational control by means of local units. This course meets the State Certificate requirements of school organization and administration.

58. **Health Education for Teachers.**—Autumn,

Winter, Spring. T. Th. 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58).

60. Technique of Teaching.—Autumn. M. W. F., 2:30. Three hours credit. Brown.

This course deals with certain of the recent developments in the field of methods and the psychological experiments which have led to the revision of class-room procedure. Emphasis will be given to the new methods which have grown out of the use of standard tests, development of problems teaching, and the guidance methods in teaching made necessary by the definite knowledge of individual differences. Topics, discussed will be illustrated by work in the training school. Designed for students who are qualifying for supervision work in any field.

61. First Grade Education.—Spring. M. W. Th., 9:30. Three hours credit. Brown.

Problems of early elementary education. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Classroom observation required. Designed for students in Elementary Education who show special ability in teaching the kindergarten and first grade, and for experienced teachers preparing for supervisory work.

62. Measurements of Elementary Education.—Autumn and Spring. M. W. F., 8:30. Three hours credit. (Not given this year.)

A practical course in selecting and using standard tests in elementary school subjects. Practice will be afforded in giving and scoring tests in the grades of the Training School and interpreting results.

63. School Management and Extra Curricular Activities.—Spring. T. Th., Two hours credit. Peterson.

A course in the conservation and the obtaining of the maximum educational value of every element in school and classroom organization. Such topics as getting the most out of the study period, the recitation period and the recess; care and use of supplies and books; school-room cleanliness and decoration; school records, reports, etc.; definite disciplinary problems; participation by the students in the management and control of the school.

64. World Myths and Folk Lore.—Winter. T. Th., 10:30. Two hours credit. Dusenberry.

This course will first include a comprehensive discussion of the myth and its origin. A study of the specific myths and folk lore of the following countries will be made: Egypt, India, China, Japan, Philippine Islands, Siam, the Islands of Bati and Borneo. The strong belief of present inhabitants in spirits will be considered, together with ancient and modern beliefs.

Graduate Courses

161. First Grade Education.—Spring. 9:30. Three hours credit. Brown. (See Elementary Education 61.)

162. Measurements of Elementary Education.—Autumn and Spring. 8:30. Three hours credit. Ollerton. (See Elementary Education 62.) (Not given this year.)

163. School Organization and Management.—Autumn. Two hours credit. Peterson. (See Elementary Education 63.)

180. Research Work.—The consent of the instructor is necessary before registering. Sudweeks, Lambert. Students may be given from two to four hours credit for presenting satisfactory thesis on an assigned topic, embodying the results of indepedent work.

ENGLISH

Professors Osmond, Christensen, Reynolds, Holt, Merrill, Pardoe; Associate Professor Jensen; Assistant Professors Rowe, Young; Mrs. Roberts, Mrs. Carroll, Miss Egbert.

Requirements for the Degree of Bachelor of Arts

Students who elect their major in the Department of English will be required to complete thirty hours of work in English in addition to courses 1, 2, and 3, and must elect four of the five period courses; provided, however, that the following substitutions may be made: Course 60 for 72; course 90 for 74; course 91 for 75.

The following additional work is required; three hours in advanced English composition; course 81 or 95; one of the following group of courses: 83, 84, 85, and 86; and course 82. Twenty-four hours in one or more foreign languages are required. A course in English history, unless taken in high school, is strongly recommended. Courses 20, 21, 22 are not open to students who elect their major in English.

For students who minor in English and who intend to teach the subject, the Department specially recommends the following: English 11, 15, 16, 24, 71, 72, 73, 74, 75.

Students making English a minor and desiring the recommendation of the Department to take secondary training in English are required to take an examination in grammar and composition.

Requirements for the Degree of Master of Arts

Candidates for the Degree of Master of Arts in English must have the equivalent of the requirements for the Degree of Bachelor of arts in English and in addition to other graduate courses in English must have two courses in Shakespeare, the course in Old English, and the course in Chaucer.

Placement Tests for Freshman English

In Freshman English due consideration will be given to needs of individual students. To determine these needs all freshmen will be required to pass a placement test at the time of registration. Assignments to the respective sections will be made after this test.

Lower Division Courses

1. **Rhetoric and Composition.**—Autumn. M. W. F. Three hours credit. 8:30: Sec. 1, Jensen; Sec. 2, Egbert; Sec. 3, Young; Sec. 4, Osmond. 9:30: Sec. 5. Carroll; Sec. 6, Egbert; Sec. 7, Jensen; Sec. 8, Young. 10:30: Sec. 9, Egbert; Sec. 10, Christensen. 1:30: Sec. 11, Carroll. 2:30: Sec. 12, Carroll.

Grammar review, themes, exercises, conferences, and prescribed reading.

2. **Rhetoric and Composition.**—Winter. Sections and time the same as in course 1. Three hours credit.

Continuation of course 1.

3. **Rhetoric and Composition.**—Spring. Sections and time the same as in courses 1 and 2. Three hours credit.

Continuation of course 2.

4. **Business English.**—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt, Roberts.

The substance and style of business English; correctness of diction; business forms and usages.

5. **Newswriting.**—Autumn. M. Th. 2:30. Two hours credit. Merrill.

A course in news gathering and news writing. The campus and city will be the field of activity. Prerequisites, English 1, 2, 3.

6. **Argument and Debate.**—Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A study of the principles of argument, followed by a series of debates on current questions. Prerequisites English 1, 2, and 3.

7. History of Journalism.—Autumn, 2:30. Merrill. (Not given this year.)

An outline of the history of journalism and the development of the modern newspaper.

8. Copy Reading and Editing.—Winter. M. Th., 2:30. Two hours credit. Merrill.

A study of copy reading, editing, newspaper make-up, and head-writing, Course 5 is a prerequisite.

11. Advanced English Grammar.—Autumn, 1:30. Spring, 1:30. Four hours credit. Young.

Prerequisites, English 1, 2, and 3.

12. Advanced Rhetoric and Composition.—Autumn, 1:30, Osmond; Winter, 9:30, Christensen. M. T. W. Th. Four hours credit.

Long themes, lectures, conferences, and required reading. Prerequisistes, English 1, 2, and 3.

15. Early American Writers.—Autumn. M. Th., 9:30. Two hours credit. Merrill.

A survey of American literature from Captain John Smith to about 1865.

16. Later American Writers.—Winter. M. Th., 9:30. Two hours credit. Merrill.

A survey of American literature from about 1865 to the present century.

17. Contemporary American Poets.—Autumn. T. Th., 10:30. Two hours credit. (Not given this year.)

A study of the principal American poets

18. Contemporary American Novelists.—Winter. T. Th., 10:30. Two hours credit. Osmond.

A study of the principal American novelists.

19. Contemporary American Short Story Writers.—Autumn. T. Th., 1:30. Two hours credit. Osmond.

A study of the principal American short-story writers.

20. Masterpieces of English Literature.—Autumn. T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30. Carroll. Sec. 3, 10:30, Young. Two hours credit.

A study of the principal English Masterpieces.

21. Masterpieces of English Literature.—Winter. T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll; Sec. 3, 10:30, Young. Two hours credit.

A continuation of course 20.

22. Masterpieces of English Literature.—Spring, T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll; Sec. 3, 10:30, Young. Two hours credit.

A continuation of course 21.

23. Contemporary British Literature.—Spring. M. W. F., 2:30. Three hours credit. (Not given this year.)

24. Shakespeare.—Autumn. M. T. W. Th., 9:30. Four hours credit. Osmond.

This is an extensive course in the study of Shakespeare. The students will be required to read the principal plays.

25. Types of World Drama.—Autumn. T. Th., 10:30. Two hours credit. Egbert.

The great plays of the world are studied according to type.

26. Types of World Drama.—Winter. T. Th., 10:30. Two hours credit. Egbert.

A continuation of course 25.

27. Types of World Drama.—Spring. T. Th., 10:30. Two hours credit. Egbert.

Upper Division Courses

50. Editorial Writing.—Spring. M. Th., 9:30. Two hours credit. Merrill.

Editorials of the best magazines and newspapers will be studied. Practice in writing the editorial will be a feature of the class work.

51. Feature Writing.—Spring. M. Th., 2:30. Two hours credit. Merrill.

Newspaper and magazine feature articles will be studied and written. Prerequisistes, English 1, 2, and 3, or the consent of the instructor.

53. Book Reviewing.—Autumn. T. Th., 8:30. Two hours credit. Jensen.

A study of modern book reviewing and practice in writing.

57. Short-Story Writing.—Winter. T. Th., 1:30. Two hours credit. Osmond.

In this course the greater part of the student's time is given to practice in writing short-stories. Prerequisite, English 1, 2, and 3.

59. Poetry.—Spring. T. Th., 1:30. Two hours credit. Osmond.

A practical course in the various forms of verse-writing. (Not given this year.)

60. English Drama to 1642.—Spring, 9:30. Four hours credit. Young. (Not given this year.)

The beginning and development of English Drama, not including Shakespeare, to the closing of the theaters.

61. Modern European Drama.—Autumn. T. Th., 2:30. Two hours credit. Egbert.

(Continental.)

62. Modern European Drama.—Winter. T. Th., 2:30. Two hours credit. Egbert.

(American.)

64. Philology.—Winter, 10:30. Four hours credit. Osmond. (Not given this year.)

The history and development of words and their ways and the evolution of English grammar.

Period Courses

71. **Medieval Literature.**—Autumn. M. T. W. Th. 9:30. Four hours credit. Christensen.

72. **English Literature from 1500-1660.**—Winter. M. T. W. Th., 9:30. Four hours credit. Young.

73. **English Literature from 1660-1780.**—Spring. M. T. W. Th., 1:30. Four hours credit. Jensen.

74. **English Literature from 1780-1832.**—Autumn. M. T. W. Th., 10:30. Four hours credit. Carroll.

75. **English Literature from 1832-1900.**—Winter. M. T. W. Th., 10:30. Four hours credit. Osmond.

Individual Author Courses

81. **Chaucer.**—Autumn. M. T. W. Th., 8:30. Four hours credit. Christensen.

82. **Shakespeare.**—Spring. M. T. W. Th., 9:30. Four hours credit. Osmond.
An intensive and critical study of the principal plays.

83. **Milton.**—Winter. M. W. F., 9:30. Three hours credit. Christensen.
A study of the author's poetry and prose.

84. **Wordsworth.**—Spring. M. W. F., 2:30. Three hours credit. Jensen.
The author's theory of poetry and his principal poems will be studied.

85. **Tennyson.**—Autumn. M. W. F., 2:30. Three hours credit. Young. (Not given this year.)
A study of the author's principal major and minor poems.

86. Browning.—Winter. M. W. F., 1:30. Three hours credit. Osmond.

A study of the author's principal major and minor poems.

87. Matthew Arnold.—Autumn. T. Th., 2:30. Two hours credit. Christensen.

88. Spenser.—Winter. T. Th., 2:30. Two hours credit. Young.

A study of the author's poetry and prose.

90. Romantic Poetry.—Autumn. M. W. F., 10:30. Four hours credit. Reynolds. (Not given this year.)

A study of romanticism as manifested in the poetry of the eighteenth and nineteenth centuries.

91. The Victorian Poets.—Spring. M. W. F., 2:30. Three hours credit. Reynolds. (Not given this year.)

92. The English Novel.—Autumn. M. T. W. Th., 1:30. Four hours credit. Jensen.

The history of English prose fiction to the time of Scott.

93. The Modern English Novel.—Winter. M. T. W. Th., 1:30. Four hours credit. Jensen.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

94. The English Essay.—Winter. M. T. W. Th., 2:30. Four hours credit. Jensen.

The origin and development of the essay. Contemporary essays will receive special attention.

95. Old English.—Winter. Daily, 8:30. Five hours credit. Christensen.

Old English grammar and reading exercises.

96. Beowulf. — Winter. Four hours credit. Christensen. (Not given this year.)

The entire poem is read in the original. Perequisite, course 95.

97. The History of the English Language.—Spring. M. T. W. Th., 8:30. Four hours credit. Christensen.

An historical and philological study of the language from the Old English period to the present time.

98. Literary Criticism.—Spring. M. W. F., 2:30. Three hours credit. Christensen.

A study of the problems of criticism in the light of the history of critical theory.

99. Types of Poetry.—Spring. M. T. W. Th., 10:30. Four hours credit. Osmond. (Not given this year.)

A study of lyric, epic, and dramatic poetry.

Graduate Courses

(The Period Courses are each four hours credit.)

171. Medieval Literature.—Autumn, 9:30. Christensen.

172. English Literature from 1500 to 1660.—Winter. 9:30. Young.

173. English Literature from 1660 to 1780.—Spring, 1:30. Jensen.

174. English Literature from 1780 ao 1832.—Winter, 10:30. Carroll.

175. English Literature from 1832 to 1900.—Spring, 10:30. Osmond.

181. Chaucer.—Autumn, 8:30. Four hours credit. Christensen.

182. Shakespeare.—Spring, 9:30. Four hours credit. Osmond.

183. Milton.—Spring, 9:30. Three hours credit. Christensen.

184. Wordsworth.—Spring, 2:30. Three hours credit. Jensen.

185. Tennyson.—Autumn, 2:30. Three hours credit. Young.

186. Browning.—Winter, 2:30. Three hours credit. Osmond.

195. Old English.—Spring. Daily, 8:30. Five hours credit. Christensen.

196. Beowulf.—Four hours credit. Christensen. (Not given this year.)

197. The History of the English Language.—Spring, 8:30. Christensen.

198. Literary Criticism.—Spring, 2:30. Three hours credit. Christensen.

200. Thesis for Master's Degree.—Time and Credit to be arranged.

FINANCE AND BANKING

Professors Clark, Swenson, Miller; Mr. Ballif.

Lower Division Courses

14. Economic and Financial History of the United States.—Autumn. M. W. F., 2:30. Three hours credit. Miller. (See Economics 14.)

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

21. Commercial Law.—Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 43.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

22. **Commercial Law.**—Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 44.)

A study of the law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barters, and bailments. Reference will be made to the leading cases decided by the courts.

23. **Commercial Law.**—Spring. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 45.)

A study of the law governing relationships arising out of business association. Agency, partnerships and corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

51, 52. **Business Finance.**—Autumn, Winter. M. T. W. Th., 9:30. Four hours credit each quarter. Clark.

Financial problems connected with the organization of corporations, underwriting and sale of securities, management, expansion, and the reorganization of those that are not successful. Economics 1 and 2 prerequisite.

53. **Money and Banking.**—Spring. M. T. W. Th.,

9:30. Four hours credit. Clark. (Not given this year.)

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States. A study of the present-day currency and banking problems in the United States. Economics 11 and 12, prerequisite.

54. **Investments.**—Spring. M. T. W. Th., 9:30. Four hours credit. Clark.

A study of the various forms of investment; distinction between investment and speculation; methods of investment. Prerequisite, Finance and Banking 51.

67. **Public Finance and Taxation.**—Spring. M. W. F., 2:30. Three hours credit. Miller. (See Economics 67.)

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

Graduate Course

101. **Research in Business Finance.**—Winter, Spring. Two to five hours credit. Clark.

GEOLOGY AND GEOGRAPHY

Professors Hansen, Martin; Associate Professor
Hales; Mr. Coffman and Mr.———.

GEOLOGY

Credit will be allowed for only one of the following: Geology 1, Geology 2, and Geography 2.

Geology 1 or 2, 3, 30, 57, 51, or 94, 71, 91 and 92 are required of students majoring in Geology.

Lower Division Courses

1. **Survey Course.**—Spring. Lectures, M. W. F., 10:30. Laboratory or field work, T. Th., 2:30-5:30. Four hours credit. Hansen.

A survey of the fields of physical and historical geology, which will give the student a basis for reading and thinking on the relation of the earth, man, and nature. For non-science students who have had no high school chemistry, it is recommended that they precede this course by Chemistry 1.

2. **Physical Geology.**—Autumn. Lectures. M. T. W. Th., 8:30, and two Saturday field trips. Laboratory, T. Th., 1:30-4:30. Five hours credit. Hansen.

This course introduces in considerable detail the physical aspects of geology and should be elected by those intending to major in the subject.

3. **Historical Geology.**—Winter. Daily, 8:30 and some assigned laboratory work. Five hours credit. Hansen.

A course in the development of the earth and the forms of life that have inhabited it. Prerequisites, Geology 1, or 2 or Geography 2.

30. **Mineralogy.**—Winter. T. Th., 10:30. Laboratory T. Th., 1:30 to 4:30. Four hours credit. Hansen. Prerequisite, high school chemistry or an introductory course in college chemistry.

An elementary course in the study of about 80 of the more common minerals that can be determined by simple chemical and blowpipe tests.

Upper Division Courses

51. **Structural and Field Geology.**—Spring. M. T. W. Th., 8:30 and forty hours laboratory or field work during the quarter. Five hours credit. Hansen.

A course in the recognition and interpretation of rocks, rock structures and deformations, on geological maps and in the field. Training in the making of geological maps and sections. Emphasis is laid on the influence of rock structures on the deposition of metal deposits and the accumulation of oil and water. Geology 1 or 2 and 3 prerequisite. This course alternates with course 94.

55. **Sedimentation.**—Winter. M. W. F., 8:30. Three hours credit. Hansen. (Not given this year.)

Lectures on the processes of sedimentation, supplemented by laboratory studies of unconsolidated sediments and sedimentary rocks with the idea of determining their origin and the conditions under which they are formed.

57. **Soil Geology.**—Spring. M. W. F., 8:30. Three hours credit. Martin. Prerequisite Geology 1 or 2 and Chemistry 1.

61. **Geology of the United States.**— Spring. Daily. Five hours credit. Hansen. Prerequisite, Geology 1 or 2.

A thorough course in the stratigraphy of the United States by physiographic provinces. The materials published by the U. S. Geological Survey and the state surveys will be used.

63. **Water Resources.**—Autumn. M. W. Th., 1:30. Three hours credit. Coffman. (See Agronomy 63.)

A study of underground waters and their economic importance with special reference to streams, springs, wells, and drainage. Prerequisites Geology 1 or 2.

71. **Invertebrate Paleontology.**—Spring. T. Th., 10:30 and three hours laboratory work. Zoology 55 prerequisite. Three hours credit. Hansen. This course alternates with course 72.

A study of invertebrate life forms, of the parts that may be fossilized, and of the conditions under which plant and animal remains have been preserved; and deals with the collection and preparation of fossils and their identification. (Not given this year.)

72. **Vertebrate Paleontology.**—Spring. T. Th., 10:30. Three hours Laboratory. Zoology 56 or Geology 3 prerequitite. Three hours credit. Hansen.

73. **Stratigraphy and Fossils of the Wasatch.**—Autumn. Time to be arranged. Eight hours field or laboratory work. Geology 71 prerequisite. Three hours credit. Hansen.

A course in the rocks and fossils of the Wasatch range giving the student experience in collecting and determining fossils and their age.

83. **Seminar.**—Autumn, Winter and Spring. One hour credit each quarter. Time to be arranged.

Required of junior and senior students who are majoring in this department.

91. **Economic Geology.—Non-Metals.**—Winter. M. W. F., 10:30. Three hours credit. Hansen.

The geologic occurrence, economic importance and methods employed in mining the non-metallic mineral products such as coal, petroleum, gypsum, salts, etc. Attempts to evaluate these minerals in the United States and especially those in Utah. Suggests prospecting methods and the economic factors concerned in successful exploitation. Prerequisite,, Geology 1 or 2 and 30. This course alternates with course 92.

92. **Economic Geology—Metals.**—Winter. M. W. F., 10:30 and three field trips. Three hours credit. Prerequisites, Geology 1 or 2 and 30. Hansen.

A study of the economically important deposits of ores of the metals, their occurrence, formation, and relationship, the nature of ore magmas and ore bearing solutions. (Not given this year.)

93. **Ore Deposits of Utah.**—Autumn. T. Th.,

9:30, and trips to Tintic, Bingham and Park City Mining districts, the expense of which the student must meet. Three hours credit. Hansen.

Intended to follow course 92. It deals with the genesis of the ores of Utah and their profitable extraction. Embraces a study of the mining districts of the state. Prerequisite Geology 92.

94. Engineering Geology.—Spring. W. T. F., 8:30 laboratory six hours per week. Three-hour class and two hours laboratory. Five hours credit. Hansen. Geology 1 or 2 and 30, prerequisite. (Not given this year.)

A general course dealing with engineering problems in Geology, together with practical experience in the use of a transit, plane table and alidade, etc.

96. Readings in Geology.—One to three hours credit. For students majoring in Geology. Hansen.

Graduate Courses

101, 102, 103. Research.—Hours and credit to be arranged. Hansen.

Special problems in the field of Geology will be assigned to students prepared to do original work.

110. Geology of Utah.—Autumn, T. Th., 1:30, and three long field trips, the expense of which is borne by the students. Three hours credit. Prerequisites, Geology 1, 2, and 51. Hansen.

Intended for advanced or graduate students who already have a working knowledge of Geology. Deals with the geologic history of the state and its development into distinct provinces. A thorough study of its stratigraphy is made; type localities will be visited to study the formations and structures.

121. Index Fossills.—Spring. M., 10:30 and six hours laboratory work by arrangement. Three hours credit. Hansen.

A course dealing with the fossils that mark the geologic periods in Utah. Prerequisites, Geology 2 and 71 or their equivalent.

155. Sedimentation.

191. Special Problems in Non-Metals.

192. Special Problems in Metals.

194. Engineering Problems in Geology.

200. Thesis Work.

GEOGRAPHY

Lower Division Courses

Credit will not be allowed for both Geology 1 and Geography 2.

1. Introductory Geography.—Winter. Daily, 1:30. Five hours credit. Coffman.

Course introducing all other work in the department. Deals with the fundamental principles of Geography whether political, historical, physiographic or economic. This alternates with course 2.

2. Physiography.—Winter. M. T. W. Th., 1:30 and three hours laboratory work. Five hours credit. Hansen and Coffman. (Not given this year.)

A general course in the agencies at work on the earth's surface and the forms developed by them.

3. Advanced Physiography.—Spring. M. W. F., 1:30 and several field trips by arrangement. Four hours credit. Geography 2, prerequisite. Hansen and Coffman.

Continuation of course 2.

21. Meteorology.—Autumn. M. T. W. Th., 10:30. Four hours credit. Hales. (See Physics 21.)

This course deals with the physics of the earth's atmosphere. It includes a study of the causes which produce variations in pressure, temperature, and humidity of the air and their influence upon the weather and the climate. This course is particularly valuable to those interested in aeronautics, weather bureau work or teaching.

30. Geography of Economic Products.—Spring. Daily, 9:30. Five hours credit. Coffman.

This course deals with the geographic and human factors that have governed the development and localization of industries.

Upper Division Courses

51. The Geography of Life.—Spring. M. W. F., 10:30, and all day field trips. Four hours credit. Hansen.

Lectures and readings on the factors that control the distribution and abundance of plant, animal and human life. A thesis on some assigned aspect of the subject. (Not given this year.)

52. Human Geography.—Winter. M. W. F., 10:30. Three hours credit. Hansen. Geology 1 or 2 prerequisite.

The response man has made to his geographic environment. Deals less with men's modification and control of nature than with nature's effect on him.

61. Geography of the United States.—Autumn. M. W. F. Three hours credit. Hansen. (Not given this year.)

Geography 1 and 2 are prerequisites to this course.

Graduate Courses

100, 101, 102. Research.—Hours and credit to be arranged. Hansen.

Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.

111. Physiography of Utah.—Spring. T. Th., 8:30 and three Saturday field trips. Three hours credit. Hansen.

Open to advanced students in Geography. Deals with the present surface forms of Utah and how they came to be developed.

161. Geography of United States.

180. Special Problems in Human Geography.

200. Thesis Work.

HISTORY

Professors Jensen, Snow; Associate Professor Sperry.

Requirements for a Major in History

Students must present a minimum of fifteen hours of upper division credit in History. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. History of Civilization.—Autumn. Daily, 8:30 Five hours credit. Snow.

This course will neglect destructive forces, and survey constructively the whole field of human progress from the earliest developments to the present time. Orientation in all lines of human achievement is the primary objective. It is hoped that such a comprehensive view of the world will serve, in a small way at least, as an introduction to all the other studies in the curriculum, and at the same time broaden the sympathies of the students, give them a stronger feeling of fellowship toward all mankind, and increase their appreciation of the heritage of the ages. While planned more particularly for freshman and sophomore students, it will, it is hoped, be of value to all who desire exposure to the general phases of man's upward climbing.

10. History of England to 1485.—Autumn. M. W. F., 9:30. Three hours credit. Snow.

The origins of English institutions; the beginnings of nationality; the Norman conquest and its results; feudalism in England; influence of Henry II and Edward I; parliamentary development of the 13th century; the beginning and development of popular rights; the rise of the industrial and commercial classes; the Hundred Years War; the Wars of the Roses.

11. History of England, 1485 to 1714.—Winter. M. W. F., 9:30. Three hours credit. Snow.

England under the Tudors; constitutional reaction; the struggle of the Stuarts with the forces of Puritanism; the Commonwealth and the Protectorate; influences of Cromwell; the Restoration; the Revolution of 1688; reign of Queen Anne.

12. History of England, 1714 to 1927.—Spring. M. W. F., 9:30. Three hours credit. Snow.

The development of cabinet government; the wars with France; the Napoleonic struggles; the conditions leading to the American Revolution and the loss of the American colonies; the expansion of the British Empire; the political, social, religious, and economic reforms of the nineteenth century; the Irish question; Great Britain in the World War; problems since the War.

20. History of United States to 1789.—Autumn. M. W. F., 2:30. Three hours credit. Jensen.

A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts, and results of the American Revolution; establishment of state governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution.

21. **History of United States, 1789 to 1861.**—Winter. M. W. F., 2:30. Three hours credit. Jensen.

The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England; the "Rise of the New West"; formulation of the Monroe Doctrine; the Jacksonian "reign"; nullification; the Mexican war; economic, political, and moral phases of slavery.

22. **History of United States Since 1861.**—Spring. M. W. F., 2:30. Three hours credit. Jensen.

The problems of secession; the military, political, and economic aspects of the Civil War; problems of reconstruction; civil service reform; the Far West; Spanish American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War; post-war problems.

23. **Great American Political Personalities.**—Autumn. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

A study of the lives and times of prominent Americans who have helped to influence and shape American history from colonial times to the present.

28. **History of Latin America.**—Winter. M. W. F., 8:30. Three hours credit. Snow.

This course will cover in a summary fashion, and in a more thorough manner the history of the Hispanic American republics and their relation to the United States.

29. **History of Latin America.**—Spring. M. W. F., 8:30. Three hours credit. Snow. Continuation of History 28.

Upper Division Courses

50. Early Oriental History.—Autumn. M. W. F., 10:30. Three hours credit. Sperry.

This course deals with the most ancient civilizations of the world. A study is made of Egypt, Babylonia, Assyria, China, India, Arabia, Persia, the Hebrews, and other oriental races. The course will be helpful to those especially interested in the Jewish scripture.

54. Grecian History.—Winter. M. W. F., 10:30. Three hours credit. Sperry.

A study of the development of the political, social and economic life of the Greek people from the earliest time to the conquest by Alexander. The fifth and fourth centuries will be given special consideration.

57. Roman History.—Spring. M. W. F., 10:30. Three hours credit. Sperry.

A brief survey of the earlier period and the Republic, and a more intensive study of the imperial period, its struggles and vicissitudes to the period of Justinian.

62. Medieval History.—Winter. Three hours credit. Snow. (Not given this year.)

Studies covering the perid from 500-1200. Considerable attention will be given to the Latin Church, the growth of Monasticism and the interrelation of Charlemagne's Empire and the Papacy, the growth and character of Feudalism, and finally review the rising power of the Church and European society in general in the twelfth century.

63. Medieval History.—Spring. Three hours credit. Snow. (Not given this year.)

70. Revolutionary Europe, 1789 to 1852.—Autumn. M. W. F., 2:30. Three hours credit. Snow.

A study of the new forces of liberalism contributing to the French Revolution and greatly accentuated by the catastrophic event. These forces are studied in their exaggerated form to 1815, and in their struggle against reaction and absolutism after that date to 1852.

71. Europe, 1851 to 1907.—Winter. M. W. F. 2:30. Three hours credit. Snow.

Exaggerated nationalism. A study of the new industrial revolution and the era of the benevolent Bourgeoisie, Russia, Germany, Italy, France, and Austria are studied in the light of the new forces at work. Also the Near East question receives special attention.

72. Europe Since 1907.—Spring. M. W. F., 2:30. Three hours credit. Snow.

A study of the new imperialism and its far reaching results in Asia, Africa, Australia, and South America; International relations, 1870-1914; (a) the Concert of Europe, (b) the Hegemony of Germany, (c) the balance of power; general and immediate causes of the World War; the progress and conclusion of the War.

80. History of the West and the Ever Receding American Frontier.—Autumn. M. W. F., 3:30. Three hours credit. Snow.

After a brief survey of European expansion in North America and international rivalry for the Caribbean area and the Atlantic tidewater region, attention is given to the French in the heart of America and their eventual downfall at the hands of the English in 1763. Spanish expansion in the southwest and up the Pacific coast is given consideration. With this background and setting the American west and the significance of the frontier are given detailed study.

81. History of the West.—Winter. M. W. F., 3:30. Three hours credit. Snow.

The development and filling in of the Trans-Mississippi West and the acquisition of territory from Spain and Mexico in 1848.

82. History of the West.—Spring. M. W. F., 3:30. Three hours credit. Snow.
Various aspects of the frontier and the West in American politics. Western panaceas for economic ills, the cow countries, railroad activities, admission of omnibus states, disappearance of frontier in 1892.

95. American History to 1789.—Autumn. T. Th., 2:30. Two hours credit. Jensen.
A study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the Revolutionary struggle; problems of the Confederation; the work of the Federal Constitutional Convention.

96. History of United States from 1789 to 1861.—Winter. T. Th., 2:30. Two hours credit. Jensen.
A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation.

97. History of the United States Since 1861.—Spring. T. Th., 2:30. Two hours credit. Jensen.
An examination of the theory of secession; constitutional aspects of the war power; the problem of reconstruction; questions relating to industrial and economic expansion, insular possessions, the World War and its after effects.

Graduate Courses

153. Roman History.—Problems of agrarian reform and Roman imperialism.

162. Medieval History.—The struggle between the empire and papacy, feudalism, monasticism, etc.

163. Medieval History.—The growth of cities, rise of national monarchies, pre-reformation movement, etc.

170. **Modern History.**—The new Science and philosophy of the seventeenth and eighteenth centuries.

171. **Modern History.**—The struggle between liberalism and conservatism in the nineteenth century.

172. **Modern History.**—Some problems connected with the World War and intricate world relations since then.

180. **History of the West.**—The West as a factor in international rivalry to 1763, and as a potential force in the American Revolution.

181. **History of the West.**—The influence of the West in the opening of the Mississippi, the War of 1812, the American system, etc.

182. **History of the West.**—The history of the Trans-Mississippi West, the Great Basin, etc.

195. **American History.**—Problems of Colonial and Revolutionary history.

196. **American History.**—Topics in the development of American political and historical institutions.

197. **History of the United States.**—Problems in recent American constitutional history.

200. **Research for Master's Thesis.**

HOME ECONOMICS

Associate Professors Warnick, Cannon; Professors Elliott,
Larsen; Miss Swenson, Miss Scorup, Miss Billings,
Mrs. Robertson.

It is advised that students of Home Economics take both major and minor in this department as this facilitates placement in teaching positions. Major or minor may be obtained in, Clothing, and Textiles, or Foods and Nutrition or Household Administration. Some Clothing and Textiles and Foods and Nutrition credits will be accepted toward a major in Household Administration. It is recommended that the prerequisites of courses be taken as listed. Household Administration 71 and 72 are required of students expecting teaching positions.

CLOTHING AND TEXTILES

Six approved hours of Foods and Nutrition and Household Administration may count towards a major in Clothing and Textiles.

Lower Division Courses

1 or 70. Clothing.—Autumn. M. T. W. Th., Section 1, 8:30. Section 2, 9:30. Section 3, 2:30. Two hours credit. Robertson.

Prerequisite or parallels Art 21. Use and application of commercial patterns to the user. Technical finishing of simple, machine-made garments. Lecture period will consider the purchasing of textiles, their construction and care. Making of wool dresses and tailored finishes.

2 or 71. Clothing.—Winter. M. T. W. Th., Section 1, 8:30. Section 2, 9:30, Section 3, 2:30. Two hours credit. Robertson.

Prerequisite, or parallels, Art 25. Study of silk textiles. Party dresses; emphasis placed on the correct finishing of each article. Lectures on the above textiles, colors and dress design.

3 or 72. Clothing.—Spring. M. T. W. Th. Section 1, 8:30. Section 2, 9:30. Section 3, 2:30. Two hours credit. Robertson.

Prerequisite, or parallels Art 26. Summer dresses. Adapting the line and color to the form and complexion of the wearer. Important points in the social and artistic problems will be emphasized.

10. Dress Appreciation.—Autumn. T. Th., 1:30. Two hours credit. Billings.

The aim of this course is to give a practical knowledge and appreciation of good design in dress and to help the student choose her personal wardrobe wisely. Open to all students not majoring in home economics, and required of minors in clothing and textiles who do not take course 65.

Upper Division Courses

50. Clothing Decoration.—Autumn. M. T. W. Th., 9:30. Two hours credit. Elliott.

Decorative needle work stitches applicable to household and dress decoration. Planning and developing simple decorative designs for all types of clothing. Articles of clothing applying these stitches will be made in the course.

51. Practical Household Krafts.—Winter. M. T. W. Th., 9:30. Two hours credit. Elliott.

The decorative stitchery given in course 50 is applied on clothing and articles used in the home.

52. Children's Clothing.—Spring. M. T. W. Th., 9:30. Two hours credit. Elliott.

A consideration of design and construction of children's clothing suitable to various ages and types.

55. Advanced Garment Construction.—Autumn. M. W. F., 2:30. Two hours credit. Elliott.

Practice in renovating and remodeling. The principles of tailoring and applying the same to clothing.

56. Advanced Garment Construction.—Winter. M. W. F., 2:30. Two hours credit. Elliott.

Problems involved in the technique of dresses, coats, and suits. Emphasis will be placed on the tailoring of these articles, supplemented with lectures, discussions and demonstrations.

57. Wardrobe Building.—Spring. M. W. F., 2:30. Two hours credit. Elliott.

Planning and designing dainty clothing for a college girl's wardrobe. Emphasis is put on the finishings of trimmings and material and on color combination.

60, 61. Textiles.—Autumn and Winter. T. Th., 10:30. Three hours credit each qquarter. Elliott.

Prerequisite Chemistry 1. History of primitive and modern methods of manufacturing textiles. This includes a study of growth, preparation and manufacture of fibers as a basis of judgment in the purchase and use of materials used for clothing and house furnishings. Special consideration is given to the economic trend of the commonly used fibers.

62. Textiles.—Spring. T. Th., 10:30. Three hours credit. Elliott.

Continuation of course 61.

Field trips to stores and industries to study material are part of this course.

65. Costume Design.—Winter. M. W. F., 1:30. Three hours credit. Billings.

Principles of art applied in the selection and designing of appropriate costumes. A brief study of the historic costumes.

66. Applied Costume Design.—Spring. T. Th., 1:30. Two hours credit. Billings.

Designing with models applied to costumes designed in previous course. Prerequisite, course 65.

FOODS AND NUTRITION

Four approved hours of Clothing and Textiles or Household Administration may count toward a major in Foods and Nutrition.

Lower Division Courses

1. **Food Problems in the Home.**—Autumn. T. Th. Lecture 2:30-3:30; Laboratory 3:30-5:30. Three hours credit. Scorup.

For girls not majoring in home economics who desire some experience in the planning, preparation, and serving of adequate, well-cooked family meals. Considers costs, selection, and preservation of foods; preparation of breakfast dishes, the planning, preparation, and serving of breakfast at a limited cost.

2. **Food Problems in the Home.**—Winter. T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Scorup.

A continuation of course 1. Planning a convenient kitchen; selection of kitchen equipment; preparation of luncheon and dinner dishes; the planning, preparation, and serving of various types of family luncheons and dinners at a limited cost. Managerial ability and marketing are stressed.

3. **Food Problems in the Home.**—Spring. M. W. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Scorup.

A continuation of course 2. Preparation of dinner dishes and the planning, preparation, and serving of various types of family dinners at a limited cost. Special attention is given to the cookery of meats and vegetables.

Note: Courses 1, 2, and 3 may be taken in order but there are no prerequisites for either course.

4. **Cookery Problems.**—Spring. M. W. F., Laboratory 7:30-8:30. One hour credit. Scorup.

For men desiring experience in simple meal preparation. Special fee $2.00.

5. **Elementary Nutrition.**—Spring. T. Th., 10:30. Two hours credit. Scorup.

A study of the nutritive properties of common food materials and the essentials of an adequate diet. As this course is designed primarily for normal students, food for the school child will receive special attention. Open to men and women and required of students minoring in Foods and Nutrition who do not take course 53.

10 or 70. Food Selection, Preparation, and Serving.—Autumn. M. W. Lecture 2:30-3:30. Laboratory, Sec 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite, Chemistry 1 and 2 or equivalent. Special emphasis is placed on experimental cookery. The economy, the palatability, and proper balance of meals are considered. Special emphasis is placed on dishes suitable for breakfast and their serving.

11 or 71. Food Selection, Preparation, and Serving.—Winter. M. W. Lecture 2:30-3:30. Laboratory. Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite, course 10. A continuation of course 10, with special emphasis on different luncheon dishes. Various types of luncheons are served.

12 or 72. Food Selection, Preparation and Serving.—Spring. M. W. Lecture 2:30-3:30. Laboratory. Sec 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite course 11. A continuation of courses 10 and 11. Special emphasis is placed on formal table service. Dishes and menus for different types of dinners are studied.

15 or 75, 16 or 76. Food Economics.—Autumn and Winter. T. Th., 10:30. Two hours credit each quarter. Scorup.

Prerequisite, Home Economics 10, 11, 12.

Food marketing and purchasing. Principles underlying selection of materials and supplies,markets,advertising, and brands will be considered with reference to public economy and conservation. Food budgets and preservation of foods. Special assignments will be made in food marketing problems. The subject is approached from the viewpoint of the buyer of foods and the teacher of home economics.

Upper Division Courses

50. **Large Quantity Cookery and Marketing.**—Autumn, Winter or Spring. Daily. 10:30-1:30. Five hours credit. Cannon.

Experience in management of school cafeterias, quantity cookery, marketing, keeping of cafeteria accounts. Prerequisites or parallels courses 10, 11, 12, or equivalents and 51. Students should register in the autumn for a place during the year. Limited to five students each quarter.

52. **Nutrition of Children.**—Winter. T. Th., 1:30. Laboratory, M. T. Th. F., 11:30-1:30. Three hours credit. Warnick.

A consideration of the nutritional requirements and disorders of pregnancy, infancy, the pre-school and the school child. Laboratory work will be given in connection with undernourished children in the Training School.

53. **Nutrition.**—Autumn. M. W. F., 9:30. Four hours credit. Cannon. Laboratory Wed. 2:30-5:30.

Prerequisites, Chemistry 1, 2, 7 and Home Economics 10, 11, 12. A study of the chemistry, digestion and metabolism of carbohydrates, fats, and proteins, also the properties of food and their effect on health and growth. This course and the two following, should be taken whenever possible in the junior year.

54. **Dietetics.**—Winter. M. W. F., 9:30. Laboratory 2:30-5:30. Four hours credit. Cannon.

Prerequisite, course 53. A continuation of course 53, with a discussion of the latest work on minerals and their metabolism, vitamins and the deficiency diseases. The food requirements of the family and individual are considered.

55. Nutrition in Disease.—Spring. M. W. F., 9:30. Laboratory, Wednesday 2:30-5:30. Four hours credit. Cannon.

Prerequisite, courses 53 and 54. This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases.

56. Seminar in Nutrition.—Spring. T. Th., 2:30. Two hours credit. Cannon.

Required of all senior girls majoring in Foods and Nutrition.

57. Advanced Problems in Cookery.—Winter. Time to be arranged. Two hours credit. Lecture and laboratory period. Scorup. (Not given this year.)

58. Experimental Animal Nutrition.—Open to seniors and graduates only. Prerequisite 5 hours in organic or biochemistry and courses 53 and 54. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged. (See Animal Husbandry 98.) (Not given this year.)

HOUSEHOLD ADMINISTRATION

Ten approved hours of Foods and Nutrition and Clothing and Textiles may count towards a major in this field.

Lower Division Courses

1. Household Problems.—Autumn. T. Th., 9:30. Two hours credit. Warnick.

This course will present the most important problems in the organization and management of the household, including a simple study of the family income and its expenditure. Open to housewives and to students not majoring in home economics.

10. Family Health.—Winter. T. Th., 8:30. Two hours credit. Warnick.

A consideration of factors underlying health, common communicable diseases and their treatment; home care of the sick.

Upper Division Courses

50, 51. Home Planning and Applied Art.—Winter and Spring. M. W. F., 1:30. Two hours credit each quarter. Larsen.

Historic development of the house. Study of American styles of home architecture. Proper location and environment for the home. House planning, study of plans and specifications. Effect of form, line and color. Two recitations and one studio hour. Prerequisite, Art 21. (See Art 80 and 81.)

60. Home Management.—Autumn. M. W. F., 8:30. Three hours credit. Warnick.

The study of the organization and management of the home, including home ideals, methods of work, division of time in the household and household tools.

61. Economics of the Household.—Winter. M. W. F., 8:30. Three hours credit. Warnick.

A study of the household in its economic and social relation, including a study of the family income and its expenditure. Prerequisite, Sociology 11 or Economics 11.

62. Family Relationships.—Spring. M. W. F., 8:30. Three hours credit. Warnick.

The modern family, its function and structure; modern social conditions affecting its stability and pattern; characteristics of a well adjusted family; desirable traits of family members; responsibilities and contributions of members of the family group to the family life, economic, social, moral, spiritual. Preparation for marriage. Open to men and women.

70. Vocational Survey of Field of Home Economics.—Autumn. Friday 3:30. One hour credit.

Members of Home Economics Faculty.

Vocational opportunities for the home economics trained woman are investigated and discussed with the view of directing major students in selecting the field for which they are best adapted. Required of all junior students, also seniors who have not previously had the course.

71. Methods of Teaching Home Economics.—Spring. T. Th., 8:30. Two hours credit. Warnick.

A study of adapting home economic courses to existing home and community needs; equipment and teaching facilities; laboratory arrangement and management; the teacher and professional adjustment. For juniors majoring in home economics, who are preparing to teach.

72. Methods of Teaching Home Economics.—Autumn. T. Th., 8:30. Two hours credit. Warnick.

A discussion of objectives, teaching methods in their relation to home economics, curriculum content, project teaching and related subject matter. For seniors in home economics who are preparing to teach.

(See Secondary Teaching 67.) Neither major nor minor credit is allowed for this course.

80. Child Care.—Autumn. M. W. F., 1:30. Three hours credit. Warnick.

Agencies working for child welfare; problems of prenatal and infant care; physical and mental standards of development; general care and hygiene of mother and child.

81. Child Development.—Spring. M. W. F., 1:30. Three hours credit. Warnick.

Habit formation and behavior problems of the infant and pre-school child; home influence in the care and training of children; mental hygiene, observation of children in the home.

82. **Seminar in Child Development.**—Spring. One hour credit. Time to be arranged. Warnick.

HORTICULTURE

Assistant Professor Morris, Mr. Shaw.

Students majoring in Horticulture are required to take the following: 1, 3, 6, 51, 53, 57, 59. Botany 12 should be taken the first year.

Lower Division Courses

1. **Principles of Pomology.**—Autumn. M. W. F., 8:30, laboratory M. 2:30-5:30. Four hours credit. Shaw.

The principles underlying profitable orchard management. Profits will be emphasized. History of orcharding in the United States, methods of planting selection of locations and sites, marketing, storage, harvesting, thinning, proper care of the trees.

2. **Olericulture.**—Spring. M. W. F., 8:30, laboratory M. 2:30-5:30. Three hours credit. Shaw.

The underlying principles of home and commercial vegetable production. Production for better profits emphasized.

3. **Plant Propagation.**—Winter. T. Th., 9:30. Laboratory W., 2:30-5:30. Three hours credit.

Sexual and asexual means of propagation studied spores, seeds, grafting, budding, cutting, layering, separation.

4. **Ornamental Plant Materials.**—Winter. T. Th.,

9:30, laboratory W. 2:30-5:30. Three hours credit. (Not given this year.)

Woody and herbaceous plants used in landscape gardening. The student will learn to identify trees, shrubs and flowers; also the adaptations of each to the garden. Required for Horticulture 5.

5. **Landscape Design.**—Winter. M. W. F., 9:30. Laboratory T. and Th., 2:30-5:30. Five hours credit. (Not given this year.)

Designing of city and county home grounds for beauty and use. Horticulture 4 is required for this course.

6. **Ornamental Plant Materials.**—Winter. M. W., 9:30, laboratory T. 2:30-5:30. Three hours credit. (Not given this year.)

Woody and herbaceous plants for spring effect. This course is a continuation of Horticulture 4; it is concerned chiefly with plants for spring and summer effect.

7. **Small Fruits.**—Winter. M. W. Laboratory W., 2:30-5:30. Three hours credit. Shaw.

A study of varieties, propagation, cultural methods, pruning, training, insect and disease control, and harvesting. Crops studied are grapes, strawberries, raspberries, dewberries, blackberries, currants and gooseberries.

Upper Division Courses

51. **Origin and History of Cultivated Plants.**—Autumn. T. Th., 8:30. Two hours credit. Shaw.

Study of origin of species and varieties. Changes and adaption of plants. Interesting historical facts of plants.

52. **Systematic Pomology.**—Winter. T. Th., 1:30 laboratory, F., 2:30-5:30. Three hours credit. Shaw.

Emphasis placed on identification of fruits and fruit trees. Wild and cultivated species studied. Development of varieties from species. Description and nomenclature.

53. Fundamentals of Fruit Production.—Spring. M. W. F., 1:30. Three hours credit. Shaw.

A technical course based upon plant physiology and morphology as applied to fruit production. Nutrition, water relations, winter injury, pollination problems, physiology of pruning, climatic factors will be studied.

54. Commercial Gardening.—Autumn. T. Th., 2:30. Two hours credit . Shaw.

A study of large scale production for canning factories, special and general markets.

55. Practical Problems in Horticulture.—Spring. Laboratory course. Time to be arranged. One hour credit. Shaw.

A study of horticultural problems in Utah. Orchards and plantations will be visited and studied.

59. Plant Breeding.—Winter. M. W. F., 2:30. Three hours credit. (Not given this year.)

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection for the development of plant varieties, as practiced in Europe and America. Prerequisite, Genetics (given in Zoology and Botany departments.)

91. Seminar.—Three hours credit. Time to be arranged.

A study of the research work being done at the various experiment stations. For seniors majoring in Horticulture.

Graduate Courses

101. Methods of Research.—Time and credit to be arranged.

Methods used in the investigation of horticultural problems. Study of published reports, outlining, methods of attack.

102. Research.—Time and credit to be arranged. Students who are qualified are required to do some horticultural research problems.

LIBRARY

Miss Ollorton, Mrs. Gillespie and Mrs. Brown.

11. Use of Books and Libraries.—Autumn, Winter, or Spring. 3:30. Th. One hour credit.

The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalog will receive special emphasis.

MATHEMATICS

Professors Eyring, Marshall; Associate Professor Hales.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 49, 50, 51, 52, 71, 72.

11. College Algebra.—Winter. Daily, 8:30 and 2:30. Five hours credit. Marshall and Hales.

A study of fractions, exponents and radicals, quadratic equations, logarithms, elementary series, determinants, etc.

12. Plane Trigonometry.—Autumn. Daily. 8:30, and 2:30. Five hours credit. Eyring and Marshall.

13. Graphical and Statistical Methods.—Spring. 9:30. Daily. Five hours credit. (Not given this year.)

The graphical representation of data, method of averages, measurement of variability, correlation, probable errors, etc.

35. Mathematical Theory of Investments.—Spring. M. W. F., 10:30. Three hours credit. Marshall.

Application of Algebra to general business problems, such as annuities, amortization, capitalization, depreciation, sinking fund, bond values and building and loan associations.

49. Analytic Geometry.—Spring. Daily. 8:30. Five hours credit. Eyring.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc. Prerequisites, Mathematics 11 and 12.

Upper Division Courses

50. Differential Calculus.—Autumn. M. T. W. Th., 8:30. Four hours credit. Marshall.

An introductory course with numerous applications of the principles to tracing of curves, and the solution of problems from geometry and mechanics. Prerequisite, Mathematics 49.

51. Integral Calculus.—Winter. M. T. W. Th., 8:30. Four hours credit. Marshall.

The purpose and nature of integration is developed. Principles applied to problems in geometry, mechanics and physics.

52. Advanced Calculus.—Spring. M. T. W. Th., 8:30. Four hours credit. Marshall.

Development of the definite integral as a sum, together with development of the more theoretical aspects of the differential calculus. Use of partial derivatives, multiple integrals, development in series, Green's Theorem, etc.

61. Definite Integrals.—Autumn. 8:30. Four hours credit. (Not given this year.)

The study in detail of the definite integral as a sum, differentiation of definite integrals, etc.

71. Differential Equations.—Autumn. M. W. F., 1:30. Three hours credit. Marshall.

The study of differential equations of the first order, linear differential equations, total and partial differential equations with numerous applications to physics. Junior or senior year. Prerequisite, Mathematics 52.

72. Differential Equations.—Winter. M. W. F., 1:30. Three hours credit. Marshall. Continuation of 71.

86. Analytical Mechanics.—Autumn. M, W, F., 9:30. Three hours credit. Eyring. (Not given this year.)

The general principles of mechanics; the statics and dynamics of particles, rigid bodies and fluids.

Graduate Courses

101. Vector Analysis.—Winter. M. W. F. Three hours credit. Marshall. (Not given this year.)

Fundamental operations of vector analysis.

102. Vector Analysis.—Spring. M. W. F. Three hours credit. Marshall. (Not given this year.)

Application of vector analysis to mechanics, electromagnetic theory, and other branches of mathematical physics.

105. Advanced Calculus.—Autumn. Five hours credit. Marshall.

A review of the fundamental theory of the calculus presented with a view to precision of statement and accuracy of proof. Study of Taylor's Series, partial differentiation, complex numbers, vectors, etc. Prerequisite, Mathematics 72.

106. Advanced Calculus.—Winter. Five hours credit. Marshall.

Theory of differential equations, study of simple integrals, multiple integrals, and infinite integrals.

107. Advanced Calculus.—Spring. Five hours credit. Marshall.

Study of some classes of functions defined by integrals; introduction to calculus of variations, and theory of functions.

Courses 105, 106, and 107 will follow an outline somewhat as given in Wilson's "Advanced Calculus".

171. Differential Equations.—Autumn. M. W. F., 1:30. Three hours credit. Marshall.

172. Differential Equations.—Winter. M. W. F., 1:30. Three hours credit. Marshall.

187. Advanced Mechanics.—Five hours credit. (Not given this year.)

MECHANIC ARTS

Assistant Professor Snell; Professors Hansen, Eastmond, Larsen; Mr. Bigelow, Mr. Coffman.

For mechanic arts teachers, it is advised that both major and minor be taken in this department.

MECHANICS

Lower Division Courses

1. **Art Metal Work.**—Winter. M. W. F.. Two hours credit. Eastmond and Larsen. (See Art 35.)

2. **Art Leather Work.**—Spring. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 36.)

4. **Shop Practice.**—Autumn. Daily 1:30-3:30. Three hours credit. Snell.

The making of projects suitable for junior and senior high school instruction in sheet metal, cold iron, and electrical lighting circuits, buzzers, bells, heating elements, etc.

5. **Ornamental Iron Work.**—Autumn. T. Th., 1:30-3:30 or 3:30 -5:30. Two hours credit. Snell.

Craftsmanship in wrought iron work. Designing, cutting, sawing, bending, drilling, tapping, threading, finishing, etc. Lectures and outside preparation.

7. **Tool Technique.**—Autumn, Winter, Spring. M. W. F., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Required of all prospective teachers. Sharpening, care and use of woodworking hand tools, applied in fundamental principles of sawing, joining, fitting, fastening, etc.

11. **Elementary Auto Mechanics.**—Autumn. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction of the automobile and an elementary study of the principles involved. Lubrication, assembling and repairing of brakes, rear axels, transmission systems and engines. Drafting recommended as parallel course. Lectures and demonstrations twice a week.

12. **Elementary Auto Mechanics.**—Winter. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction and adjustment of carburetors and ignition systems.

13. **Elementary Auto Mechanics.**—Spring. Daily, 3:30-5:30. Three hours credit. Bigelow.

Ignition, timing, "trouble shooting", battery work and starting and lighting systems.

17. **Wood Turning.**—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

Exercises and projects in wood turning executed through individual designs.

18. Pattern Making.—Autumn, Winter, Spring, M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

The principles of pattern making are taught through the making of simple patterns for machine parts.

19. Wood and Metal Finishing.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Preparation of surfaces for the application of finishes. Staining, painting, varnishing, lacquering, polishing, etc. Use of the brush and air gun.

21. Upholstering and Seat Weaving.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

Typical forms of upholstery, including foundations with and without springs. Seat and panel weaving with cane and fiber.

23. Cement.—Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Cement, mixes, tests, forming, finishing, etc., in structural and ornamental projects.

27. Cabinet Construction.—Autumn. M. T. W. Th., 1:30-3:30. Snell.

This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings are submitted and the article is made to conform to these. Training is given in the use of modern wood-working machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and polishing. Credit given on the basis of three hours credit for nine hours application each week. Prerequisite, Drawing 13.

28. Cabinet Construction.—Winter. M. T. W. Th. Snell.

Continuation of 27.

29. Cabinet Construction.—Spring. M. W. F., 1:30-3:30. Snell.

Continuation of 28.

Upper Division Courses

51. Ignition.—Autumn. Bigelow. Credit given on the basis of three hours credit for ten hours application each week.

Battery, vibrator, and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

52. Generators and Starting Motors.—Winter. Bigelow. Hours and credit as in 51.

The working principles of the dynamo, and testing for shorts and open circuits. Reverse current cutouts, types of generator regulation as third brush control systems. Testing and adjustments of the generator output.

53. Machine Work and Welding.—Spring. Bigelow. Hours and credit the same as in 51.

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

57. Standard Construction Methods.—Autumn. M. W. F., 8:30. Three hours credit. Snell.

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, equipment, etc.

58. Carpentry.—Either quarter. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Thorough drill in saw filing. Tool practice applied in practical problems. Fitting and hanging doors and windows, building in cabinets, stair construction and framing, Prerequisite, course 7; and Drawing 13.

59. Estimating.—Spring. M. W. F., 8:30. Three hours credit. Snell.

Interpretation of plans and specifications. Methods of estimating and figuring cost of material and labor for excavations, foundations, cement work, heating, plumbing, painting, etc. Permits, contracts, liens. Prerequisite, Drawing 13.

64. Mill Work—Woodworking Machinery.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Credit will be given on the quality and quantity of work accomplished on the basis of nine hours application each week for three hours credit. Snell.

Work will be handled as nearly as possible as in actual practice. Estimates and working drawings will be made and a careful check of material and labor kept and computed for each job.

65, 66, 67. Shop Work.—Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Credit given on the basis of three hours for nine hours application each week during the quarter. Snell.

Under the supervision of the instructor, students may do advanced work, consisting of the erection of buildings, cabinet work, upholstery, pattern work, or novelty work. Complete plans and specifications must be submitted and accepted before work is begun. Prerequisite, courses 57, 58, 59, or their equivalents.

DRAWING

While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

Lower Division Courses

1. Theory and Practice of Design.—Autumn. M.

W. F., 1:30. Two hours credit. Eastmond and Larsen. (See Art 21.)

2. **Elements of Drawing.**—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

This course is designed to give some facility in lettering, drawing of simple working drawings, charts, graphs, making sketches and reading drawings. (See Accounting and Business Administration 10.)

3. **Free-Hand Lettering.**—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practice in lettering as applied in architectural and engineering office work.

4. **Engineering Drawing.**—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell. .

The care and use of instruments, lettering, applied geometry, and orthographic projection.

5. **Engineering Drawing.**—Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

Pictorial representation, developed surfaces, intersections, and working drawings. Prerequisite, Drawing 4 or equivalent.

6. **Descriptive Geometry.**—Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

This course includes a study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution, with application to practical problems. Prerequisites, Drawing 4 and 5.

8. **Elementary Machine Design.**—Autumn. Daily 9:30 or 10:30. Two hours credit. Snell.

Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blueprints. Prerequisite, Drawing 4, 5, and 6.

9. **Elementary Machine Design.**—Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 8.

10. **Shades and Shadows.**—Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Planned to give fundamental knowledge necessary for casting shadows in architectural design.

11. **Instrumental Perspective.**—Autumn, Winter, or Spring. Daily 9:30 or 10:30. Two hours credit. Snell.

The theory and application of methods of drawing architectural perspectives. Prerequisites, Drawing 4, 5, and 6, or equivalent.

12. **Rendering.**—Autumn, Winter, or Spring. Daily 9:30 or 10:30. Two hours credit. Snell.

Wash rendering practice plates and rendering of architectural elements.

13. **Architectural Drawing.**—Autumn, Winter, Spring. Daily 9:30 or 10:30. Two hours credit. Snell.

Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisite, Drawing 4, 5, and 6, or equivalent.

14. **Architectural Drawing.**—Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 13.

15. **Architectural Drawing.**—Spring. Daily 9:30 or 10:30. Two hours credit.

Continuation of 14.

16, 17, 18. **Architectural Design.**—Autumn, Winter, Spring. Daily, 9:30 or 10:30—extra laboratory period arranged any afternoon. Two or three hours credit each quarter. Snell.

A series of order problems involving the study of the principles of composition. Problems similar to Class B Analytiques of the Beaux-Arts Institute of

Design will be followed. Prerequisites, Drawing 6, 10, 11, 12.

19. Topographical Drawing.—Autumn, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practical elementary work in topographical drawing. Mapping and plotting from field notes. Prerequisite, Drawing 4, 5, and 6.

Upper Division Courses

51, 52, 53. Architectural Design.—Autumn, Winter, Spring. Daily, 9:30-10:30—extra laboratory periods arranged any afternoon. Three hours credit each quarter. Snell.

Designing, rendering, detailing, tracing, and blueprinting. A complete set of plans with one display drawing each quarter. Prerequisites Drawing 16, 17 18.

ENGINEERING

Drawing 4, 5, 6, 7, and Mechanics 7, 18, 51, 52, 53, 57, 59 are required of all pre-engineering students.

Lower Division Courses

1. Elementary Surveying.—Autumn, Spring. M. W. F., 3:30. Two hours credit. ————.

Methods of using the compass, tape, level and transit in making plain surveys are explained by lectures and field exercises. Drawings necessary to interpret and plot surveying field notes are made. Prerequisite, Trigonometry and Drawing 4, 5, 6, 7.

Upper Division Courses

63. Irrigation and Drainage.—Autumn. M. W. F., 1:30. Three hours credit. Coffman. (See Geology 63.)

91. Economic Geology.— Non-Metals.—Winter. M. W. F., 10:30. Three hours credit. Hansen. (See Geology 91.)

92. Economic Geology—Metals.—Winter. M. W. F., 10:30. Three hours credit. Hansen. (See Geology 92.)

94. Plane Table Surveying.—Spring. M. W. F., 3:30. Two hours credit. Hansen and Snell. (See Geology 94 and Drawing 19.)

MODERN AND CLASSICAL LANGUAGES

Professors Cummings and De Jong; Mrs. Roberts,
Miss Black and Mr. Whetten.

Students who major in Modern Languages are required to furnish 30 hours of credit in the language chosen, and are advised to furnish twenty more hours, partly in the same language and partly in a collateral language.

GERMAN

Lower Division Courses

1. Elementary German.—Autumn. Daily, 9:30. Five hours credit. De Jong.

Designed for those who have had no German. Pronunciation, easy reading, and the fundamentals of grammar.

2. Elementary German.—Winter. Daily, 9:30. Five hours credit. De Jong.

Prerequisite, German 1, or one year of German in high school. Reading, vocabulary building, and grammar drill.

3. Intermediate German.—Spring. Daily, 9:30. Five hours credit. De Jong.

Prerequisite, German 2. Readings, conversation and grammar drill.

Upper Division Courses

54. Advanced German.—Autumn. M. W. F., 8:30. Three hours credit. De Jong.

Prerequisite, German 3 or two years of German in high school or fifteen hours credit in German. Comprehensive study of grammar. Conversation and composition based on reading.

55. Advanced German.—Winter. M. W. F., 8:30. Three hours credit. De Jong.

Prerequisite, German 54. Reading, conversation, and composition.

56. Advanced German Reading.—Spring. M. W. F., 8:30. Three hours credit. De Jong.

Prerequisite, German 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. German Composition and Conversation.—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. De Jong. (Not given this year.)

Prerequisite, twenty-four hours of German and the consent of the instructor.

65. Methods of Teaching Modern Languages.—Autumn. T. Th., 3:30. Two hours credit. Cummings.

71. Contemporary German Civilization.—Autumn. T., Th., 8:30. Two hours credit. De Jong. (Not given this year.)

Open to all students. The life, customs, sciences, art, etc., of present-day Germany. Lectures given in English. Outside reading may be done in English or German.

72. Survey of German Literature.—Spring. T.

Th., 8:30. Two hours credit. De Jong. (Not given this year.)

Prerequisite, twenty-four hours of German. A general survey of German literature from the beginning to 1715. Illustrative readings.

73. **Survey of German Literature.**—Spring. T. Th., 8:30. Two hours credit. De Jong. (Not given this year.)

Prerequisite, twenty-four hours of German. A general survey of German literature of eighteenth and nineteenth centuries. Illustrative readings.

81. **Modern German Fiction.**—Autumn. T. Th., 9:30. Two hours credit. De Jong.

Prerequisite, twenty-four hours of German and the consent of the instructor.

82. **Modern German Plays.**—Winter. T. Th., 9:30. Two hours credit.

Prerequisite, fifteen hours of German and the consent of the instructor.

83. **Modern German Classics.**—Spring. T. Th., 9:30. Two hours credit. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor.

Graduate Courses

At least 30 hours of undergraduate German is prerequisite to any graduate course.

121, 122, 123. **German Novel from 1800 to the Present.**—Two hours credit each quarter. De Jong. (Not given this year.)

131, 132, 133, **German Drama from 1800 to the Present.**—Two hours credit each quarter. De Jong. (Not given this year.

141. **Lessing.**—Autumn. Two hours credit. De Jong. (Not given this year.)

142. **Schiller.**—Winter. Two hours credit. De Jong. (Not given this year.)

143. **Goethe.**—Spring. Two hours credit.. De Jong. (Not given this year.)

161, 162, 163. **Advanced German Composition and Conversation.**—Autumn, Winter and Spring. Time to be arranged. Two hours credit each quarter. De Jong.

165. **Methods of Teaching Modern Languages.**—Autumn. T. Th., 3:30. Two hours credit. Cummings.

173, 174, 175. **German Literature of the Eighteenth, Nineteenth and Twentieth Centuries Respectively.**—M. W. T., Time to be arranged. Three hours credit each quarter. De Jong.

200. **Research for Master's Thesis.**

FRENCH

Lower Division Courses

1. **Elementary French.**—Autumn. Daily, 2:30. Five hours credit. Sec. 1, Cummings; Sec. 2, Roberts. Winter. Daily, 10:30. Roberts.

Designed for those who have had no French. Pronunciation, easy reading, and the fundamentals of grammar.

2. **Elementary French.**—Winter. Daily, 2:30. Five hours credit. Sec. 1, Cummings; Sec. 2, Roberts. Spring. Daily, 10:30. Roberts.

Prerequisite, French 1, or one year of French in high school. Reading, vocabulary building, and grammar drill.

3. **Intermediate French.**—Spring. Daily, 2:30.

Five hours credit. Sec. 1, Cummings; Sec. 2, Roberts.

Prerequisite, French 2. Reading, conversation, and grammar drill.

Upper Division Courses

54. **Advanced French.**—Autumn. M. W. F., 1:30. Three hours credit. Roberts.

Prerequisite, French 3 or two years of French in high school or fifteen hours credit in French. Grammar, conversation and composition based on reading. Majors and those desiring courses numbered above 60 should elect 58, 59, 60 instead of 54, 55, 56.

55. **Advanced French.**—Winter. M. W. F., 1:30. Three hours credit. Roberts.

Prerequisite, French 54. Reading, conversation and composition.

56. **Advanced French Reading.**—Spring. M. W. F., 1:30. Three hours credit. Roberts.

Prerequisite, French 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

58, 59, 60. **Advanced French.**—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit each quarter. Cummings.

Prerequisite, fifteen hours or two units of high school French, together with the consent of the instructor. Designed for majors and students who have the desire and the ability to make more than ordinary progress in the language. Grammar is thoroughly reviewed and drilled by means of composition exercises. There is considerable training in the understanding of spoken French. Courses 58, 59, and 60 lay a solid foundation for courses numbered above 60.

61, 62, 63. **French Composition and Conversation.**—Autumn, Winter, Spring. T. Th., 3:30. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite, twenty hours of French.

65. **Methods of Teaching Modern Languages.**—Autumn. T. Th., 3:30. Two hours credit. Cummings.

71. **Contemporary French Civilization.**—Winter. T. Th., 3:30. Two hours credit. Cummings.. (Not given this year.)

Open to all students. The life, customs, sciences, art, etc., of present-day France. Lectures given in English. Outside reading may be done in English or French.

72. **Survey of French Literature.**—Winter. T., Th., 3:30. Two hours credit. Cummings. (Not given this year.)

Prerequisite, twenty four hours of French. A general survey of French literature from the beginning to 1715. Illustrative readings.

73. **Survey of French Literature.**—Spring. T. Th., 3:30. Two hours credit. Cummings. (Not given this year.)

Prerequisite, twenty-four hours of French. A general survey of French literature of the eighteenth and nineteenth centuries. Illustrative readings.

81. **Modern French Fiction.**—Autumn. T. Th., 1:30. Two hours credit. Roberts.

Prerequisite, twenty hours of French and the consent of the instructor.

82. **Modern French Plays.**—Spring. T. Th., 3:30. Three hours credit. Cummings. (Not given this year.)

Prerequisite, twenty hours of French and the consent of the instructor.

83. **Modern French Classics.**—Spring. T. Th., 3:30. Two hours credit. Cummings.

Prerequisite, twenty-four hours of French and the consent of the instructor.

Graduate Courses

At least 30 hours of undergraduate French are prerequisite to any graduate course.

121, 122, 123. **French Novel from 1800 to the Present.**—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

131, 132, 133. **French Drama from 1800 to the Present.**—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

141. **Corneille.**—Autumn. Time to be arranged. Two hours credit. Cummings.

142. **Racine.**—Winter. Time to be arranged. Two hours credit. Cummings.

143. **Moliere.**—Spring. Time to be arranged. Two hours credit. Cummings.

161, 162, 163. **Advanced French Composition and Conversation.**—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

165. **Methods of Teaching Modern Languages.**—Autumn. T. Th., 3:30. Two hours credit. Cummings.

172, 173, 174. **French Literature of the Seventeenth, Eighteenth, and Nineteenth Centuries Respectively.**—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

200. **Research for Master's Thesis.**

SPANISH

Lower Division Courses

1. **Elementary Spanish.**—Autumn. Daily, 8:30. Five hours credit. Whetten.

Designed for those who have had no Spanish. Pronunciation, easy reading, and the fundamentals of grammar.

2. **Elementary Spanish.**—Winter. Daily, 8:30. Five hours credit. Whetten.

Prerequisite, Spanish 1, or one year of Spanish in high school. Reading, vocabulary building, and grammar drill.

3. **Intermediate Spanish.**—Spring. Daily, 8:30. Five hours credit. Whetten.

Prerequisite, Spanish 2. Conversation based on reading. Grammar drill.

Upper Division Courses

54. **Advanced Spanish.**—Autumn. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, Spanish 3 or two years of Spanish in high school or fifteen hours credit in Spanish. Comprehensive study of grammar. Pronunciation drill. Conversation and composition based on reading.

55. **Advanced Spanish.**—Winter. M. W. F., 3:30 Three hours credit. Cummings.

Prerequisite, Spanish 54. Reading, conversation, and composition.

56. **Advanced Spanish Reading.**—Spring. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisite, Spanish 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. Spanish Composition and Conversation.—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit each quarter. (Not given this year.)

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

65. Methods of teaching Modern Languages.—Autumn. T. Th., 3:30. Two hours credit. Cummings.

81. Modern Spanish Fiction.—Winter. T. Th., 2:30. Two hours credit. De Jong.

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

82. Modern Spanish Plays.—Spring. M. W. F., 2:30. Two hours credit. De Jong.

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

83. Modern Spanish Classics.—Spring. T. Th., 2:30. Two hours credit. De Jong.

Prerequisite, fifteen hours of credit and the consent of the instructor.

Graduate Courses

At least thirty hours of undergraduate Spanish is prerequisite to any graduate course.

121, 122, 123. Spanish Novel.—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

131, 132, 133. Spanish Drama.—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

161, 162, 163. Advanced Spanish Composition and Conversation.—Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

165. Methods of Teaching Modern Languages.—Autumn. T. Th., 3:30. Two hours credit. Cummings.

172, 173, 174. Spanish Literature of the Seventeenth, Eighteenth, and Nineteenth Centuries, Respectively.—Autumn, Winter, Spring. Time to be arranged. Three hours credit each quarter. Cummings.

200. Research for Master's Thesis.

LATIN

Lower Division Courses

1. Elementary Latin.—Autumn. Daily, 9:30. Five hours credit. Black.

Mastery of declensions and conjugations. Correlation of Latin originals with English derivatives.

2. Elementary Latin.—Winter. Daily, 9:30. Five hours credit. Black.

Easy reading and grammar.

3. Intermediate Latin.—Spring. Daily, 9:30. Five hours credit. Black.

Reading and grammar.

Upper Division Courses

54. Advanced Latin.—Autumn. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 3 or two years of Latin in high school. Comprehensive study of grammar. Reading and composition.

55. Advanced Latin.—Winter. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 54. Reading from the classics. Composition.

56. Advanced Latin.—Spring. 9:30. Three hours credit. Black. (Not given this year.)

Prerequisite, Latin 55. Reading from the classics.

PHONETICS

Lower Division Course

42. Practical Phonetics.—Winter. T. Th., 1:30. Two hours credit. De Jong.

The elementary principles of speech mechanism in their relation to correct diction. This course correlates with courses in Speech and Vocal Music.

MUSIC

Professors Jepperson-Madsen, Robertson, Madsen; Associate Professor Sauer; Assistant Professor Hanson; Miss Summerhays, Mr. Nelson, Mr. Fitzroy, Mrs. Packard, Mr. Buggert, Mr. Shepherd.

Those who major in the Department of Music must complete the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 31; 81; Piano 3 hours, Vocal Culture 3 hours, and Vocal or Instrumental Ensemble 6 hours. Those preparing to teach must also take Theory of Music 41 and 91. These requirements are subject to change where conditions warrant individual consideration.

Private courses are indicated by -p. In the instrumental division, the letter immediately following the number indicates the instrument; e. g., 7 p-p means course 7 private piano; 3 t-p means course 3 private trombone, etc.

THEORY OF MUSIC

Lower Division Courses

11, 12, 13. Solfeggio.—Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

Grammar of music in the Autumn is followed by the study of intervals, diction, and sight-singing in the Winter and Spring.

21, 22, 23. **Harmony.**—Autumn, Winter, Spring. M.W.F. Three hours credit each quarter. Madsen.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords; open harmony.

31, 32, 33. **Philosophy and Appreciation of Music.**—Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

The important philosophies of music and musicians; the philosophy of the elements of music, musical structure, musical compositions, musical values.

41, 42. **Public School Methods.**—Autumn, Spring. M. W. F., Three hours credit each quarter. Hanson.

Special technique of instruction and material for the grades; class demonstrations and supervised teaching.

Upper Division Courses

61, 62, 63. **Solfeggio.**—Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

Prerequisite, Theory of Music 11, 12, and 13. Training in advanced sight singing.

71, 72. **Harmony.**—Autumn, Winter. M. W. F. Three hours credit each quarter.

Prerequisite, Theory of Music 21, 22, 23. Modulation; secondary seventh and altered chords; non-harmonic tones; modern harmony.

73. **Form and Analysis.**—Spring. M. W. F. Three hours credit.

Prerequisite, Theory of Music 72, or the eqivalent. Study of musical form, from the section to the sonata; harmonic analysis.

81, 82, 83. History.—Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Madsen.

Alien musical systems, ancient and modern. Origin of musical instruments. Medieval and modern music. Time to be arranged with students.

91. High School Methods.—Winter. T. Th., Two hours credit. Hanson.

Special technique of instruction and materials for the junior and senior high schools. This course should precede or accompany Secondary Education 54 for those who are preparing to teach music in the public schools. (See Secondary Education 64.)

95. Instrumentation.—Winter. T. Th. Two hours credit. Sauer.

A practical course for high school teachers and supervisors in arranging for band and orchestra.

Graduate Courses

121, 122, 123. Counterpoint.—Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisite, Theory of Music 71, 72, 73. Strict counterpoint in the various species.

124, 125, 126. Cannon and Fugue.—Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisite, Theory of Music 121, 122.

127, 128, 129. Instrumentation.—Autumn, Winter, Spring. Three hours credit each quarter.

Prerequisite, Theory of Music 23. Study of orchestra instruments; arranging in solo, duet, trio, and quartet form; arranging for string and symphony orchestra.

171, 172, 173. Modal Counterpoint.—Autumn, Winter, Spring. Three hours credit each quarter.

Prerequisite, Theory of Music 23. The contrapuntal system of Palestrina, Des Pres, and Lasso.

181, 182, 183. **Composition.**—Autumn, Winter, and Spring. Three hours credit each quarter. Madsen.
Prerequisite, Theory of Music 73, and at least one quarter of 121 or 171.

INSTRUMENTAL MUSIC

Lower Division Courses

1, 2, 3, 4, 5, 6. **Band.**—Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.
Admission by consent of director.

7, 8, 9; 10, 11, 12. **Orchestra.**—Autumn, Winter, Spring. Daily. One hour credit each quarter.
Admission by consent of director.

13, 14, 15; 16, 17, 18. **String Ensemble.**—Autumn. Winter, Spring. M. W. F. One hour credit each quarter.

19, 20, 21; 22, 23, 24. **Band Ensemble.**—Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Sauer.

1, 2, 3p-p. **Piano.**—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.
Study of the scales in different rhythms and touches; Czerny, Op. 299, Book IV; Mendelssohn's "Song Without Words", etc.

4, 5, 6p-p. **Piano.**—Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.
Scales in double thirds, fourths, and sixths; "Cramer-Bulow Studies;" classical compositions.

7, 8, 9p-p. **Piano Ensemble.**—Autumn, Winter, Spring. One hour credit each quarter. Nelson.
The fundamentals of ensemble playing. Four, six, and eight hand arrangements.

10p-p. Piano Pedagogy.—Any quarter. One hour credit. Nelson, Hanson, and Fitzroy.

Methods and problems of piano teaching in the elementary grades.

1, 2, 3vp. Violin.—Autumn, Winter and Spring. One hour credit each quarter. Shepherd.

Hohman, book I and II; Sevcik Elementary studies; Sitt, Op. 32, book I; Wohfahrt. One hour credit

4, 5, 6v-p. Violin.—Autumn, Winter, Spring. One hour credit each quarter. Shepherd.

Hohman, book III and IV; Sitt Op. 36; Schradiek; Dont Op. 37; Solos in various positions.

1, 2, 3c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Rudiments of music; mouth and lip positions; tone production; correct breathing and fingering.

4, 5, 6c-p. Cornet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Intervals, slurs, syncopation; the triplet; the double dot; marks of abbreviation and expression.

1, 2, 3b-p. Baritone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13b-p. Bassoon.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

21, 22, 23b-p. Bass (Tuba).—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13; 14, 15, 16c-p. Clarinet.—Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

1. 2, 3d-p. Drums and Timpani.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3f-p. Flute.—Autumn, Winter, Spring. One hour credit each quarter. Nelson.

11, 12, 13f-p. French Horn.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3o-p. Oboe.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13o-p. Organ.—Autumn, Winter, Spring. One hour credit each quarter.

1, 2, 3, 4, 5, 6s-p. Saxaphone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13s-p. String Bass.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3, 4, 5, 6t-p. Trombone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13v-p. Viola.—Autumn, Winter, Spring. One hour credit each quarter.

21, 22, 23, 24, 25, 26v-p. Violoncello.—Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Upper Division Courses

51, 52, 53, 54, 55, 56. Concert Band.—Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of the director. Standard overtures, operatic selections, and miscellaneous military band music.

57, 58, 59, 60, 61, 62. Symphony Orchestra.—Autumn, Winter, Spring. Daily. One hour credit each quarter.

Admission by consent of director. Study of selections, overtures, symphonies, and accompaniments.

51, 52, 53p-p. Piano.—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Czerny "School of Virtuoso," Bach, "Three Part Inventions," and Sonatas.

54, 55, 56p-p. **Piano.**—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Bach, "Well Tempered Clavichord;" Beethoven, Sonatas; a concerto and a public recital.

63, 64, 65; 66, 67, 68. **String Ensemble.**—Autumn. Winter, Spring. Three times each week. One hour credit each quarter.

69, 70, 71; 72, 73, 74. **Band Ensemble.**—Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Sauer.

51, 52, 53v-p. **Viloin.**—Autumn, Winter, Spring. One hour credit each quarter. Shepherd.

Fiorillo; Dancla, Op. 73; Kreutzer; de Beriot, "The Art of Bowing." Tartini; scales, apreggios, technique of the bow, double stops, Sevcik; advanced solos.

54, 55, 56v-p. **Violin.**—Autumn, Winter, Spring. One hour credit each quarter. Shepherd.

Fiorillo; Dancla, Op. 73; Dont, Op. 35; Rhode Beach; concerto; one public recital.

51, 52, 53c-p. **Cornet.**—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

Technique; muscular control, artificial fingerings; sight reading; the turn, shake trill, grace note; and difficult exercises.

54, 55, 56c-p. **Cornet.**—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

The art of phrasing and expression; velocity; trumpet calls; transposition; difficult exercises and the intrepretation of standard solos and cadenzas.

61, 62, 63; 64, 65, 66c-p. **Clarinet.**—Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

61, 62, 63; 64, 65, 66o-p. Organ.—Autumn, Winter, Spring.

63p-p. Piano Pedagogy.—Spring. One hour credit. Nelson.

Prerequisite, 10p-p. Methds and problems of piano teaching in the higher grades.

51, 52, 53t-p. Trombone.—Autumn, Winter, Spring. One hour credit each quarter. Sauer.

71, 72, 73, 74, 75, 76v-p. Violoncello.—Autumn, Winter, Spring. One hour credit each quarter. Buggert.

VOCAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6-p. Vocal Culture.—Private or in groups. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

13, 14, 15; 16, 17, 18. Ladies Glee Club.—Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Open to inexperienced singers. This course also provides participation in mixed chorus.

13, 14, 15; 16, 17, 18. Male Glee Club.—Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Open to inexperienced singers. This course also provides participation in Mixed chorus.

19, 20, 21. Mixed Chorus.—Autumn, Winter, Spring. One hour credit each quarter. Madsen.

42. Phonetics.—Winter. Two hours credit.

(See Phonetics 42 in Department of Modern and Classical Languages.)

Upper Division Courses

51, 52, 53; 54, 55, 56-p. Vocal Culture.—Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

63, 64, 65; 66, 67, 68. Ladies Glee Club.—Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

63, 64, 65; 66, 67, 68. Male Glee Club.—Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

OFFICE PRACTICE

Professor Holt; Mrs. Roberts, Mrs. Lloyd, Miss Thomas

Lower Division Courses

11, 12, 13. Shorthand.—Autumn, Winter, Spring. Daily, 8:30; 9:30. Four hours credit each quarter. Roberts and Thomas.

Principles of shorthand writing according to the Gregg system.

14, 15, 16. Advanced Shorthand.—Autumn, Winter, Spring. M. W. F., 10:30. Three hours credit each quarter. Roberts and Thomas.

Dictation work. Special attention will be given to reporting forms, and to the development of skillful writers. Advanced dictation, correlated with secretarial work.

21, 22, 23. Typewriting. Autumn, Winter, Spring. Six hours a week. Two hours credit each quarter. See instructors for time. Lloyd and Thomas.

Touch typewriting, according to standard methods.

24. **Typewriting.** — Autumn, Winter, Spring. Daily. Two hours credit. (Elect one quarter only.) Lloyd and Thomas.

31. **Business English.**—Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt, Roberts.

The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure, and diction. Business forms and usages.

PHYSICAL EDUCATION

Professor Romney, Dr. Cullimore, Dr. Oaks, Dr. Merrill,
Assistant Professors Hart, Jeppson; Mr. Dixon,
Mrs. Meiling, Miss Coleman

The purpose of the department is primarily to conserve the health and vitality of the students, to establish correct motor habits and to educate for wholesome and efficient living. To offset the undersirable effects of sedentary school life, vigorous exercise in the form of games, gymnastics and competitive athletics are offered. Instruction is given in personal hygiene in connection with the exercise period so that the students may have a theoretical basis as a guide to correct living.

A thorough physical and medical examination will be given each new student upon entering the institution. All freshmen are required to take one credit hour of physical education of the physical activity variety in each of the three quarters. All students are urged to take one credit hour per quarter of physical education of the physical activity variety throughout the four years, and during some quarter to take Physical Education 20. One credit hour of physical education will be allowed each student who is not majoring in physical education in each quarter with a total maximum of twelve hours of credit.

Upper classmen who are not taking physical education for credit are urged to engage in some form of physical exercise. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

The third term requirement for all those preparing to teach in the elementary grades may be selected from any of the following courses: Physical Education 11, 12, 13, 26, 27, 28, 31, 32, and 33.

All students whether enrolled in regular classes in physical education or on regular athletic squads are invited and urged to use the physical training and athletic facilities of the institution whenever they are available.

Students interested in intercollegiate athletic competition in any form will be given opportunity to try out for the athletic teams representing the University and in case they display sufficient ability to be chosen as members of these teams, they may substitute this work for the required courses in physical education.

The department also offers professional courses which are designed to prepare teachers in physical education, directors of athletics, supervisors of dancing and leaders in play and other forms of social and recreational activities.

Lower Division Courses

11, 12, 13. Elementary Physical Education.—Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Women's sections at 9:30, 10:30, 2:30. Men's sections 10:30, 3:30 and 4:30. Dixon, Jeppson and Meiling.

This course is designed for Freshman students. It will include games, athletics, gymnastics, dancing, personal hygiene talks, health interviews, hikes, recreational activities, etc.

14, 15, 16. **Advanced Physical Education.**—Autumn, Winter, Spring. T. Th. One hour credit each term. For men and women. Men's section—Hart; Women's section—Jeppson. Required of students majoring in Physical Education. Prerequisite, three hours credit in freshman Physical Education.

This course will embrace instruction in more advanced types of physical educational activities including gymnastics, apparatus exercises, tumbling, pyramids and stunts.

17. **Boxing.**—Autumn, Winter, Spring. M. W. F., One hour credit.

This course will consist of the theory and practice of boxing.

18. **Wrestling.**—Winter. M. W. F. One hour credit.

This course will consist of the theory and practice of wrestling.

19. **Tennis.**—Spring. M. W. F. One hour credit. Dixon.

This course will consist of the theory and practice of tennis. Open to men.

20. **Health Education.**—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, Merrill.

Suggested for all freshmen students. Open to others. (See Zoology 20.)

21, 22, 23. **Physical Education for Grade Teachers.**—Autumn, Winter, Spring. T. Th., 3:30. One hour credit each quarter. Jeppson. Required of all those preparing to teach in the elementary grades.

This course is designed to prepare students taking normal training courses for the teaching of Danish and natural gymnastics, games folk dancing, and rhythmical expressions in the grade schools. Some emphasis will be placed on motor ability tests applied.

24. **Fencing.**—Autumn, Winter, Spring. Three periods each week. One hour credit. Open to both men and women.

26, 27, 28. **Clog, National, and Folk Dancing.**—Autumn, Winter, Spring. T. Th., 9:30. One hour credit each quarter.. Suggested for women majoring or minoring in Physical Education. Jeppson.

This course will offer instruction in elementary clog, various types of folk and national dancing.

31, 32, 33. **Elementary Natural Dancing.**—Autumn, Winter, Spring. T. Th., 2:30. One hour credit each term. Coleman. Suggested for women majoring or minoring in physical education.

This course will offer instruction in the fundamentals of grace and rhythm.

Upper Division Courses

51. **Athletic Coaching and Directing—Football.**—Autumn. Four periods each week. 2:30. Three hours credit. Romney. Required of men majoring or minoring in Physical Education.

This course is designed to prepare students for the coaching of football. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc.

52. **Athletic Coaching and Directing—Basketball.**—Winter. Four periods each week. 2:30. Three hours credit. Romney and Dixon. Required of men majoring or minoring in Physical Education.

This course is designed to prepare for the coaching of basketball. Students will be thoroughly instructed in fundamentals, offensive and defensive systems, schedule making, and other details which contribute to the coaching successfully of basketball.

53. Athletic Coaching and Directing—Track and Field.—Spring. Four periods a week. 2:30. Three hours credit. Romney and Hart. Required of men majoring or minoring in Physical Education.

This course will deal with the technique of training for the various events in track and field athletics. Methods of conducting field meets and tournaments will be taught and the students given experience in assisting and coaching.

54. Sports for Women.—Autumn. M. W. F., 4:30. Two hours credit. Meiling. Required of Women majoring or minoring in Physical Education.

A coaching course in the major and minor sports including field hockey, soccer, and archery.

55. Sports for Women.—Winter. M. W. F., 4:30. Two hours credit. Meiling. Required of women majoring or minoring in Physical Education.

A continuation of course 54. Coaching in volley ball, basketball, and speedball.

56. Sports for Women.—Spring. M. W. F., 4:30. Two hours credit. Jeppson, Meiling. Required of women majoring or minoring in Physical Education.

A continuation of course 55. Coaching and officiating in track, archery, baseball, and tennis.

59. Health Education for Teachers.—Autumn, Winter, Spring. T. Th., 1:30. Three hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

61, 62. Advanced Natural Dancing.—Autumn, Winter. T. Th., 8:30. One hour credit each term. Coleman. Required of women majoring or minoring in Physical Education.

This course will offer instruction in dance technique and various natural dance forms, music impressions, and some creative work.

63. Material Summary.—Spring. T. Th., 8:30. Two hours credit. Jeppson, Coleman. Suggested for students majoring in Physical Education. A continuation of Physical Education 62.

This course will include the fundamentals of movement, contribution of music to the dance, dance composition, themes, the problem of the public performance, and the larger aspects of the dance as an educational activity. Problems of staging, lighting, and costume designing will be discussed.

71. Theory of Organized Play.—Autumn. M. W. F., 8:30. Three hours credit. Jeppson and Hart. Required of students majoring in Physical Education.

The theory of organized play including community centers, special activities, home recreation; play in institutions, social recreation such as planning recreation programs; play facilities such as layout of athletic fields, construction of buildings, swimming and wading pools, equipping the grounds and centers. Also a discussion of the theories of individual and community life.

72. Organization and Administration of Play and Recreation.—Winter. M. W. F., 8:30. Three hours credit. Jeppson and Hart. Required of students majoring in Physical Education. A continuation of course 71.

A complete picture of the responsibilities of a superintendent of recreation and a discussion of the executive and administrative problems arising out of the conduct of a community-wide recreation program. Emphasis on park recreation problems, city government problems, problems of recreational finance, publicity problems, field and personnel problems, school recreation problems and surveys.

73. Play and Game Supervision.—Spring. M. W. F., 8:30. Three hours credit. Jeppson and Hart.

A continuation of course 72. Required of students majoring or minoring in Physical Education.

74, 75, 76. Recreational Leadership.—For description of course see Religious Education 74, 75, 76.

77, 78, 79. Scoutcraft.—For description of courses see Religious Education 77, 78, 79.

81, 82. Tap Dancing.—Autumn, Winter. T. Th., 10:30. One hour credit each term. Jeppson. Required of women majoring in Physical Education.

This course will include a study of the various phases of tapping. Fundamental steps, routines in order of difficulty—buck, jig, waltz, soft shoe, etc.

83. Material Summary.—In Tap, National, and Folk Dancing.—Autumn. T. Th., 10:30. Two hours credit. Jeppson. Required of women majoring or minoring in Physical Education.

A continuation of Physical Education 81 and 82. This course will include the fundamentals of movement, dance composition, themes, and moods. The problem of the public performance, methods of teaching, etc.

91. General Kinesiology.—Autumn. M. W. F., 1:30. Three hours credit. Hart. Required of students majoring or minoring in Physical Education. Prerequisites: Physical Education 14, 15, 16; Zoology 11, 20 and 65; Psychology 11.

This course will take up the anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Careful examination of gymnastics and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercise will also be made.

92. Methods of Teaching Physical Education.—Winter. T. Th., 1:30. Two hours credit. Hart.

Required of students majoring or minoring in Physical Education. Prerequisite, Physical Education 91. (See Secondary Teaching 66.)

This course will deal with a study of the various systems of physical education, methods of gymnastic teaching, content of exercise periods, arrangement of exercises, methods of commanding and directing, etc. This course will he helpful to all teachers in elementary and high school.

93 or 193. Physical Education Administration.—Spring. Three periods each week. 1:30. Three hours credit. Hart. Required of students majoring in Physical Education. Open to all graduates.

This course will deal with the organization and administration of departments of physical education and athletics in high school and college and the proper balancing of various activities associated with these departments. This course is designed for Physical Directors, School Principals, Recreational Directors, etc.

94 or 194. Introduction to Achievement Tests in Physical Education.—Autumn. Three periods each week. Three hours credit. Hart. Suggested for students majoring or minoring in Physical Education.

This course reviews the history of the development of physical tests and gives a brief review of the outstanding tests in physical education. The essential procedures to be used in evaluating tests and their results, including statistical analysis, are discussed.

95 or 195. First Aid.—Winter. Three periods each week. Two hours credit. Hart. Suggested for students majoring or minoring in Physical Education. Prerequisite, Physical Education 91.

This course will deal with physical examinations, with methods of administering first aid and with the essentials in conditioning athletes.

96 or 196. Adaption of Activities in Corrective Procedures.—Spring. Three periods each week. Three hours credit. Open to both men and women. Hart.

Prerequisites, Zoology 65 and Physical Education 91.

PHYSICS

Professors Eyring, Marshall; Associate Professor
Hales; Mr. Peterson.

Students who expect to study medicine, engineering, chemistry, or who are planning to major in the department of physics should begin their study of physics by electing courses 41, 42, and 43.

Non-science students may elect with profit courses 11, 16, 21, which may be taken without prerequisite and which are organized with the view of giving the student an appreciation of his physical environment.

Students majoring in physics have the following courses prescribed: Physics 41, 42, 43, 87, and some sequences such as Physics 58, 59, 60, 75, 76, 77, 88, 89, or Physics 65, 66, 67, 68, 69, 70, 86. Courses 88, 89, and 99 are especially recommended for students who plan to be high school teachers.

Lower Division Courses

11. A Survey Course in Physics.—Winter. M. T. W. Th., 10:30. Four hours credit. Eyring.

A careful study of selected topics in elementary physics in which the development of the principles and their application to human welfare will be stressed. This is an orientation course designed for the non-science student who wishes to obtain some information in this field.

16. Descriptive Astronomy.—Spring. M. T. W. Th., 10:30. Four hours credit. Hales.

This course deals with the physics of heavenly bodies. It is designed for those wishing a general knowledge of the facts, theories, and methods of astronomy. Frequent use will be made of the University Observatory on University Hill.

21. **Meteorology.**—Autumn. M. T. W. Th., 10.30. Four hours credit. Hales. ,

This course deals with the physics of the earth's atmosphere. It includes a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate. This course should be particularly valuable to one interested in aeronautics, weather bureau work, or teaching.

41. **General Physics.—Mechanics and Sound.**—Autumn. Lecture, M. W. F., 1:30. Laboratory 1:30-3:30, T. and Th., Five hours credit. Hales.

This course and courses 42 and 43 constitute a general college course in physics. The completion of this general course will satisfy the requirements in physics for engineering and medical students, and it is a prerequisite for all the specialized courses in physics. Freshman or Sophomore year.

42. **Electricity.**—Winter. Lecture, M. W. F., 1:30. Laboratory, 1:30 to 3:30. T. and Th. Five hours credit. Hales.

Continuation of 41.

43. **Heat and Light.**—Spring. Lecture, M. W. F., 1:30. Laboratory, 1:30 to 3:30. Five hours credit.

Continuation of 42.

Upper Division Courses

58. **Kinetic Theory.**—Autumn. Three hours credit. Hales.

This course includes a historical development of the subject, kinetic interpretation of temperature and pressure Brownian movements; osmotic pressure, specific heats, etc.

59. **Thermodynamics.**—Winter. Three hours credit. Hales.

A study of the two laws of thermodynamics and their application to numerous physical and chemical phenomena.

60. Electron Theory.—Spring. Three hours credit. Hales.

A study of the properties and physical magnitude of the electron and the part it plays in thermo-electric, photo-electric, and Xray phenomena.

65, 66. Electricity and Magnetism.—Autumn, Winter. M. W., 3:30. Two hours credit each quarter. Marshall.

General principles of magnetism, and electro-magnetism. Static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites, calculus and Physics 41, 42, 43.

67, 68. Experimental Physics, Electricity and Magnetism.—Autumn, Winter. Two hours credit each quarter. Marshall.

Use of potentimeters, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field, etc. These courses should be taken in connection with courses 65 and 66. Prerequisites, Physics 41, 42, 43.

69. Radio Instruments and Measurements.—Spring. T. Th., 8:30. Two hours credit. Marshall.

A study of the properties of oscillatory circuits, and the thermionic vacuum tube as a detector, amplifier, and oscillation generator. Prerequisites, Physics 66 and 68.

70. Experimental Physics, Radio Instruments and Measurements.—Spring. Two hours credit. Marshall.

Laboratory work designed to accompany Physics 69. Two two-hour laboratory periods per week. Time to be arranged.

75. Experimental Optics.—Spring. Lecture M. W., 9:30. Laboratory, M. F., 3:30-6:30. Four hours credit. Marshall. (Not given this year.)

During the first part of the course experiments outlined in Taylor's Manual of Optics will be performed, and during the last special work in the echelon and concave grating will be given.

76. Wave Motion.—Winter. M. W. F., 9:30. Three hours credit. Eyring. (Not given this year.)

Development of the equation of wave motion from the study of wave phenomena in rods, strings, liquids, etc., and a study of its solution.

77. Sound.—Spring. M. W. F., 9:30. Three hours credit. Eyring. (Not given this year.)

Advanced course in sound. Such topics as vibrating systems, resonators and acoustic filters, sound transmission and radiation, and acoustics of auditoriums will be discussed.

86. Analytical Mechanics.—Autumn. M. W. F., 9:30. Five hours credit. Eyring. (Not given this year.)

Fundamental equations of mechanics and their application to physical problems. Prerequisites, Calculus and Physics 41, 42, 43.

87. Laboratory Arts.—Autumn, Winter or Spring T. Th., 3:30-6:30. Two hours credit. Marshall and Hales.

Glass blowing, frilling, grinding and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in physical laboratory.

88, 89. Development of Physics.—Autumn, Winter. T. Th., 10:30. Two hours credit each quarter. Eyring. (Not given this year.)

90. Survey of Physical Theories.—Spring. T. Th. 10:30. Two hours credit. Eyring.

A survey course for all seniors in the department in which an attempt will be made to aid the student to integrate the specialized courses he may have taken in the department.

92. Readings in Modern Physics.—Credit 1 to 3 hours depending on the work done. Eyring, Marshall, or Hales.

A reading course designed to acquaint the student with new material which may not have been included in the regular courses.

99. Teaching of Physics.—Autumn. M. W., 3:30. Two hours credit. Peterson. (See Secondary Teaching 65.)

Graduate Courses

101. Introduction to Modern Physics.—Autumn. M. W. F. Three hours credit. Eyring or Marshall.

Brief historical survey of Physics, aiming to introduce some of the important modern theories of physics. Also consideration of the Electromagnetic Theory of Light and Photo Electric Effect.

102. Introduction to Modern Physics.—Winter. M. W. F.. Three hours credit. Eyring or Marshall.

Continuation of 101. Study of origin of quantum theory and some of its modern applications.

103. Introduction to Modern Physics.—Spring. M. W. F., Three hours credit. Eyring or Marshall.

Continuation of 102. Brief study of X-ray, radioactivity, atomic structure.

105, 106, 107. Introduction to Theotrical Physics.—Autumn, Winter, Spring. 2:30. Three hours credit each quarter. Hales. (Not given this year.)

An introductory study of the mathematical basis and development of the fundamental laws and theories of physics.

110, 111, 112. Classical Experiments.—Each course two hours credit. Eyring, Marshall, Hales.

176. Wave Motion.—Winter. M. W. F., 9:30. Three hours credit. Eyring. (Not given this year.)

177. Sound.—Spring. M. W. F., 9:30. Three hours credit. Eyring. (Not given this year.)

192. Readings in Modern Physics.—Credit, one to three hours, depending upon amount of work done. Eyring, Marshall and Hales.

200. Thesis in Physics.—Credit to be arranged.

PHILOSOPHY OF EDUCATION

Professors Woodward, Merrill, Swenson, Nelson;
Assistant Professor Boyle.

This department is designed to prepare the student in the fundamentals of professional education with emphasis upon aims, objectives, the fundamental principles involved in the various levels and the relation the school bears to society.

Thirty hours are required for a major. The following sequence of courses is recommended:

1. In the junior year Philosophy of Education 74, 81, 84 and Psychology 74, or Philosophy of Education 72 or 92,

2. In the senior year Philosophy of Education 85, 86, 87, 88, 89, 90 and 94 or 96.

3. With the approval of the major professor certain courses from other departments in the College of Education may be substituted for certain courses in the above list.

Lower Division Courses

35. Principles of Education.—Autumn, Winter or Spring. M. T. W. Th. Four hours credit. Boyle.

This is an introductory survey course in education, planned to cover the general field. It serves to orient the student and to introduce him to the other courses in education. Required of all students qualifying for elementary teaching; recommended for all majoring in Elementary Education. The principal topics covered are: the Child, the Teacher, Objectives in Teaching, the Teaching Process, Measurement, and the American Public School. (See Elementary Education 1.)

Upper Division Courses

72. **Community Organization and Leadership.**—(See Sociology 51.) Swenson.

74. **Rural Sociology.**—(See Sociology 53.) Nelson.

81. **Science of Education.**—Autumn, Winter, Spring. M. W. F., 8:30. Four hours credit. Woodward.

It is recommended that this course be preceded by a course in Educational Psychology. A consideration of the fundamental problems of educational theory and practice; the aims, standards and contents of education. A study of the principles of determining educational values. A summary of the psychological investigations that have been made relevant to the principal school subjects. An introduction to the scientific methods of measuring the results of teaching. This course must precede or be taken in connection with Secondary Training. It should be taken during the junior year.

84. **Educational Sociology.**—(See Sociology 61.) Swenson.

85. **Philosophy of Nature.**—Winter. M. W. F., 9:30. Three hours credit. Woodward.

The course deals with a brief survey of the evolution of philosophical thought; the place of philosophy in the solution of problems of modern civilization. A survey will be made of various types of philosophy such as spiritualism, materialism, dualism, idealism, pragmatism, rationalism, realism, mysticism, etc. Considerable time is given to the problems of reality, theories of knowledge, self, and the status of values.

86. **Philosophic Ethics.**—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed, such as: Materialism versus purposive evolution, the nature of good and evil, the problems of the self, status of values, are we masters of our fates, Immortality, Democracy and the Moral Order. This course is also listed in the Departments of Sociology and Religious Education, and is designed to meet state requirements in ethics or sociology. (See Sociology 86 and Religious Education 81.)

87. **Ethics as Applied to Individual Development.**—Winter. T. Th., 11:30. Two hours credit. Woodward.

The course aims to present a definite technique of character building. It is designed to give specific help to students and teachers interested in the development of the abundant life. It covers such problems as the nature of man, his opportunities for growth and development, the nature of the good life, man's struggle for happiness, the laws upon which happiness depends, and characteristics which make up a satisfactory character, the analysis of the good life. It deals also with a technique designed to assist the student in the development of the power of self control and self mastery. This course is listed also in the Department of Sociology and in the Department of Religious Education. It is designed to meet part of the state requirements in ethics and sociology. (See Sociology 87, and Religious Education 82.)

88. The Message of the World's Great Teachers.—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course deals with the message of life and self development as set forth by the world's outstanding teachers. The following systems of thought are included: The philosophy of Jesus, Buddhism, early Hinduism, Confucianism, Taoism, and Zoroasthianism. A careful study is made of these outstanding philosophic and religious systems with special reference to the theory and technique of character building leading to individual self realization. The course is also listed under Religious Education. (See Religious Education 83.)

89. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems, the present conflict in moral and ethical ideals, the meaning of democracy, the ethics of modern business, the breakdown of Puritan ethics, Individualism, Christian ethics, the problems of capital and labor, international good will and world peace. This course is also listed in the department of Sociology, and is designed to meet state requirements in ethics or sociology. (See Sociology 89.)

90. Education and Twentieth Century Civilization.—Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course deals with the outstanding present day political, economic, social and educational conditions in fourteen of the most important countries of the Orient, and Occident. The aim of the course is to present a vivid picture of the life, aspirations, and problems of the people of Japan, China, Philippine Islands, Java, Siam, Egypt, Greece, Italy, Austria, Germany, Russia, France, and England.

92. Vocational Education.—Autumn. M. T. W. Th., Four hours credit. Merrill.

This course will deal with the aims and needs of vocational education; how this type of educational activity answers the demand of society; the place it should fill in the schools today; the types of vocational training that should be fostered under western conditions; the principles governing the determination of the curriculum; the aid extended by state and federal governments.

93. Philosophical Analysis—(Logic). — Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course deals with a study of the primary forms of thought, inductive and deductive processes, with the application of these various forms of thought to important philosophic and scientific theories and deductions. It covers a careful survey of the evolution and application of the scientific method.

94. Methods of Character Education.—Winter. T. Th., 8:30. Two hours credit. Woodward. (Not given this year.)

This course considers education as training for social efficiency, and the school as one of several agencies for such training. It discusses the moral significance of the various studies and activities of the school, direct and indirect moral instruction and moral training.

96. History of Education.—Winter. M. W. F., 10:30. Three hours credit. Woodward.

A discussion of the educational theories and practices of the Greek, Roman, and Mediaeval periods of history. Emphasis will be placed upon the following topics: The rise and growth of Christian education, the rise of universities, the Renaissance, the development of science and scientific methods, and the more recent and contemporary development of educational theory and practice. Knowledge of European history presupposed.

99. Philosophy Seminar.—Winter and Spring. Two hours credit. Woodward.

This course is intended for advanced students only. It deals with such problems as Realty, The Self, Immortality, etc. Registration is possible only by consent of the instructor. Class meets once each week. Time is to be arranged.

Graduate Courses

185. Philosophy of Nature.—Winter. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 85.

186. Philosophic Ethics.—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 86.

187. Ethics as Applied to Individual Development.—Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 87.

188. The Message of the World's Great Teachers.—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels philosophy of Education 88.

189. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 89.

190. Education and Twentieth Century Civilization.—Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 90.

192. Vocational Education. — Autumn. Four hours credit. Merrill.

This course parallels Philosophy of Education 92.

193. Logic.—Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 93.

194. Methods of Character Education.—Winter. T. Th., 8:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 94.

196. History of Education.—Time to be arranged. Three hours credit. Woodward.

This course parallels Philosophy of Education 96.

199. Philosophy Seminar.—Winter and Spring. T. Th. Two hours credit. Woodward.

This course parallels Philosophy of Education 99.

POLITICAL SCIENCE

Professor Jensen; Mr. Ballif.

Requirements for a Major in Political Science: Students must present a minimum of fifteen hours of upper division credit in Political Science. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

10. National Government of the United States.—Autumn. M. W. F., 10:30. Three hours credit. Jensen.

An examination of the historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizens; a detailed study of the executive, legislative, and judicial departments of the national government. This course should be elected in the freshman year by all who intend to major in Political Science, to be followed in the Winter quarter by Political Science 11.

11. State and Local Government in the United

States.—Winter. M. W. F., 10:30. Three hours credit. Jensen.

The nature of federal government; the evolution of states from territories; place of the states in the nation; a study of the executive, legislative, and judicial branches of state government.

12. **Political Parties and Party Government.**—Spring. M. W. F., 10:30. Three hours credit. Jensen.

A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; the party system in leading European countries.

21. **Problems of Citizenship.**—Spring. T. Th., 8:30. Two hours credit. Jensen.

A study of fundamental political, social, economic, and international problems which make for intelligent citizenship.

43. **Commercial Law.**—Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 21.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

44. **Commercial Law.**—Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 22.)

A study of law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barters, and bailments, References will be made to the leading cases decided by the courts.

45. Commercial Law.—Spring. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 23.)

A study of the law governing relationships arising out of business associations; Agency, Partnerships and Corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

50. Principles of Political Science.—Spring. M. W. F., 9:30. Three hours credit. Jensen.

This course aims to present a systematic study of the principles of political science. It deals with the scope and methods of political theory; the origin, basis and nature of the state; sovereignty; the structure and province of government; citizenship and nationality. This course should be taken by all who major in Political Science.

51. European Political Philosophy. — Winter 8:30. Two hours credit. Jensen. (Not given this year.)

A survey of political thought from the time of the ancients to the present with emphasis given to modern and contemporary political theory.

53. History of American Political Thought.—Autumn. T. Th., 8:30. Two hours credit. Jensen.

A study and interpretation of American political ideas from the colonial period to the present with an examination of their influence in the development of American history and government.

63. Municipal Government.—Spring. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal structure, organization, and administration. Among the subjects treated in their relation to municipal government are: the history of municipal growth, public improvements, finances, home rule, legal status, politics, and municipal ownership.

73. **Comparative Constitutional Government.**—Autumn. M. W. F., 9:30. Three hours credit. Jensen.

A study of the organization and operation of the governments of England, France, Italy, Germany, Switzerland, and Russia. Attention is also given to some of the new European governments.

80. **International Law.**—Winter. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Attention is given to the problems growing out of the World War and to the resulting modifications of international law.

82. **History of American Foreign Policy.**—Autumn. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

This course traces the history of American foreign relations from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

83. **International Relations.**—Winter. M. W. F., 9:30. Three hours credit. Jensen.

Problems of nationalism and internationalism, Latin-American relations, evolution of the Monroe Doctrine, problems of imperialism, settlement of international disputes, the Hague Tribunal, the League of Nations, Permanent Court of International Justice, etc.

85. **International Organization and Government.**

—Winter. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

The rise and development of international government; diplomatic intercourse of states; international executive, administrative, legislative and judicial functions; agencies of international intercourse and cooperation.

90. **The Constitution of the United States.**—Winter. T. Th., 8:30. Two hours credit. Jensen.

This course deals with the history and development of the Constitution of the United States. A study is made of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

Graduate Courses

150. **Principles and Problems of Political Science.**

151. **European Political Philosophy.**

153. **American Political Theories.**

156. **Public Opinion.**—(Not given this year.)

163. **Municipal Problems.**

174. **English Government and Politics.**

175. **The British Commonwealth of Nations.**—(Not given this year.)

176. **The Government and Administration of Germany.**

180. **International Law as Administered by the Courts.**

181. **The Conduct of American Foreign Relations.**

182. **History and Problems of American Foreign Policy.**

183. International Relations and World Politics.

190. Constitutional Law of the United States.

193. Public Administration.—(Not given this year.)

200. Research for Master's Thesis.

PSYCHOLOGY

Professor Poulson; Assistant Professor Dusenberry.

Suggestions as to Courses.—Psychology 11 is the standard foundation course which is usually made a prerequisite to all other courses in university departments of psychology. The courses especially recommended to follow it are:

General Cultural Interests:—Psychology 65, 70, 71, 72, 79, 101, 102, and 103.

Business Interests:—Psychology 64, 65, 66, 70, 75.

Educational Interests:—Psychology 65, 70, 71, 72, 74, 75, 79, and 200. For fulfilling State Board requirements, Psychology 21 is intended for prospective elementary school teachers and Psychology 74 for junior and senior high school teachers. Other psychology courses in addition to these minimum requirements may be used very appropriately to make up some of the electives in professional subjects for state certification.

Psychology Major:—Credit must include experimental psychology and not less than nine quarter hours selected from psychology 70, 75, 79, 101, 102, 103, and seminar courses in psychology. General anthropology, statistical methods, and vertebrate zoology are recommended as valuable supplementary courses. Prospective "school psychologists" should aim to meet the major requirements as nearly as possible.

Lower Division Courses

11. General Psychology.—Autumn. Daily, 8:30. Winter. Daily, 9:30. Spring. Daily, 10:30. Five hours credit. Poulson.

An introductory study of mental activity covering in a general way the whole field of modern psychology. Certain problems of mental hygiene and the psychology of effective study will receive brief consideration. Approximately one-fifth of the course will consist of simple laboratory experiments.

21. Introductory Educational Psychology.—Autumn, Winter, Spring. Section 1, M. W. F., 9:30; Section 2, M. W. F., 10:30. Three hours credit each quarter. Dusenberry.

This course is designed for college students who are preparing for the profession of teaching and will deal with the following elements of educational psychology: The physiological basis of learning. The emotional and personality phases of development. The laws of habit formation. Memory and imagination. Individual differences. Perceptual learning together with the application of the principles of learning to education. This course should be of interest to students majoring in Home Economics as well as to those preparing for professional teaching.

25. Psychology of Effective Study.—Autumn. T. 9:30. Winter. T., 8:30. Spring. T. 9:30. One hour credit. Poulson.

A simple course in applied psychology designed especially to help freshmen who desire to improve their habits of study.

Upper Division Courses

64. Business Psychology.—Autumn. M. W. F., 9:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of modern advertising and salesmanship. Prerequisite: Psychology 11 or its equivalent.

65. Experimental Psychology.—Winter, Lecture, Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

Carefully selected readings and laboratory work in experimental psychology. The application of scientific technique to the study of mental activity. Good form in the tabular and graphic presentation of experimental data. Preliminary training for independent research. Prerequisite: The consent of the instructor.

66. Vocational Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson.

A brief consideration of the contributions of modern psychology in relation to vocational selection and vocational guidance. Emotional maladjustments in relation to vocational problems. Efficiency studies and recent efforts to establish worthwhile personnel work.

70. Social Psychology.—Autumn. M. W. F., 10:30. Three hours credit. Poulson.

A study of mental life as conditioned by the social environment, habit, impulse, and intelligence in relation to social conduct. Nature and development of personality. Development and psychological significance of social institutions. Important educational implications of social psychology. Prerequisite: Psychology 11 or its equivalent.

71. Mental Hygiene and the Psychology of Childhood.—Autumn. T. Th., 11:30. Two hours credit. Poulson.

A course dealing with certain important, specialized phases of educational psychology. An attempt will be made to present in systematic form the latest findings in child psychology and to suggest applications of the same in the home, the school and the church. Problems in relation to the development of integrated personalities will be empasized. Prerequisite: Psychology 11 or 21. (See Religious Education 71.)

72. **Psychology of Adolescence.**—Winter. T. Th., 11:30. Two hours credit. Poulson.

Continuation of Psychology 71 with special reference to the educational problems of adolescence as the psychologist sees them. Certain phases of psychology of religion which pertain especially to this period will receive consideration. Prerequisite: Psychology 11 or 21. (See Religious Education 72.)

73. **Psychology of Religion.**—Spring. T. Th., 11:30. Two hours credit. Poulson.

An advanced consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70, 71 or 72. (See Religious Education 73.)

74. **Advanced Educational Psychology.**—Winter. M. W. Th. F., 8:30. Spring. M. W. Th. F., 9.30. Four hours credit. Poulson.

A brief consideration of certain important phases of the psychology of secondary education such as the laws of economical learning, how we think, and individual differences. About one-fourth of the courses will consist of a consideration of the psychology of the various school subjects. Psychology 11 is recommended as a valuable antecedent course.

75. **Mental Tests.**—Autumn. M. W. F., 8:30 Three hours credit. Poulson. (Alternates yearly with Psychology 101. Not given this year.)

History, theory, and technique of intelligence testing. Various types of tests and the manner of determining their validity. Scientific interpretation and application of test results. Additional supervised training in the giving of various types of psychological tests may be had by pursuing this interest as a seminar problem. Prerequisite: Psychology 11 or 21.

79. Abnormal Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson. (Alternates yearly with Psychology 102. Not given this year.)

A consideration of the psychology of abnormal people with emphasis upon the light thrown on normal psychology and important educational applications. Prerequisite: Psychology 11.

Graduate Courses

101, 102. Advanced General Psychology.—Autumn and Winter. M. W. F., 2:30. Three hours credit each quarter. Poulson. (Alternates yearly with Psychology 75 and 79.)

A careful reconsideration of the general field of modern scientific psychology also a comparative study of such contemporary systems as introspective psychology, behaviorism, Gestalt psychology, etc. An attempt will be made to determine the advantages and disadvantages of each method and point of view. Prerequisite: At least ten hours of credit in psychology.

103. Special Topics in Psychology.—Spring. M. W. F., 2:30. Three hours credit. Poulson.

This course provides for the individual or group study by advanced students of certain important topics in psychology which are not specifically organized into courses. For this year the topic chosen will probably be either History of Psychology or the Psychology of Speech, depending upon the choice of the students who are prepared to undertake one study or the other. These topics may be pursued as seminar problems if more convenient. Prerequisite: At least ten hours of credit in psychology.

165. Advanced Experimental Psychology.—Winter. Lecture, Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

166. Vocational Psychology.—Spring. M. W. F., 8:30. Three hours credit. Poulson.

170. Social Psychology.—Winter. M. W. F., 10:30. Three hours credit. Poulson.

173. Psychology of Religion.—Spring. T. Th., 11:30. Two hours credit. Poulson.

175. Mental Tests.—Autumn. Three hours credit. Poulson. (Not given this year.)

179. Abnormal Psychology.—Spring. Three hours credit. Poulson. (Not given this year.)

187, 188, 189. Seminar in Psychology.—Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Poulson.

Recent and current literature in theoretical and experimental psychology will be reviewed. Prerequisite: At least ten hours of credit in psychology.

200. Thesis in Psychology.—Winter. Conference, T., 2:30. Three to five hours credit. Poulson.

Research work in the preparation of an acceptable Master's thesis. Prerequisites: At least ten hours of upper division and graduate credit in psychology including Psychology 65 or 165. Also a course in statistical methods.

RELIGIOUS EDUCATION

Professors Brimhall, Wilson, Swenson. A. N. Merrill, Eyring, Martin, Woodward, Snow, Poulson, Nelson, Hansen, Osmond, Christensen, Miller, H. R. Merrill, Madsen, Pardoe, Larsen; Associate Professors J. M. Jensen, Sudweeks, Hales, Lambert,Sperry; Assistant Professors W. H. Boyle, Dusenberry, Hart, Morley, Jeppson, Ivins; Mr. Dixon.

Students who wish to specialize for work with pre-adolesent children in the various auxiliary organizations of the church will be permitted to supplement the regular courses of the department for a major in Religious Education from the following: Elementary Education 1, 16, 20, and 60; Psychology 70 and 71. Courses especially recommended for these students are Religious Education 16, 17, and 18, Elementary Education 1 and Psychology 79.

Students wishing to specialize for work with adolescents and adults in church service may include in their Theology major courses selected from the following: Educational Administration 75, Philosophy of Education 88, 89, Psychology 79, 72. Secondary Education 54, and Sociology 65; Courses especially recommended for these students are Religious Education 74, 75, 76, 77, 78, 79, 81, 82, 83, 86, 92, and 93, Psychology 73, and Secondary Education 54.

Lower Division Courses

1. Problems of Religious and Ethical Life.—Autumn. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Sec. 3, 4, 11:30; Sec. 5, 2:30; Two hours credit. Wilson, Miller, Boyle.

The student just entering college is aided in the solution of problems incident to his environment. The course treats the general significance and meaning of religion and morals, their origin and their interrelation in the formation of standards of conduct. It also deals with the concepts of right, duty, conscience, and character. The approach is made through a study of a series of practical problems.

2. Problems of Religious and Ethical Life.—Winter. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Sec. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, Miller, Boyle.

A treatment of the practical aspects of religion and morality, with attention to the cultivation of those personal virtues that are the foundation of character. The influence of religious ideals in the development of personal codes and standards; the application of formulated codes and standards to the solution of personal and social problems.

3. **Problems of Religious and Ethical Life.**—Spring. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, Miller, Boyle.

The individual's ethical relation to others as applied to his activities in cooperation with others. His responsibility in the promotion of ideals and standards through his functions in church and organizations for social welfare. The ethics of citizenship.

4. **Literature of the Bible.**—Autumn. T. Th., 9:30. Two hours credit. Sperry.

A study of the prose forms of the Old Testament from a literary, ethical, historical, and religious point of view. Freshmen will be admitted only with the consent of the instructors.

5. **Literature of the Bible.**—Winter. T. Th., 9:30. Two hours credit. Sperry.

A study of the poetry and wisdom literature of the Old Testament including Job and Isaiah. Freshmen students will be admitted only by consent of the instructors.

6. **Literature of the Bible.**—Spring. T. Th., 9:30. Two hours credit. Sperry.

A study of the literary forms of the New Testament. Parts of all the books will be considered. Freshmen students will be admitted only by the consent of the instructors.

10, 11, 12. **Principles of Religious Conduct.**—Autumn. T. Th., 11:30. Two hours credit each quarter. A. N. Merrill, Hales, Larsen.

This course deals with the fundamental theological and ethical principles governing Christian conduct. Designed especially to emphasize the contribution of the church to right living of the individual and the groups. Such topics as the value and significance of religious experience, the apportunities offered by the church for promoting high class religious experiences; the fundamental doctrines, ordinances and principles of the church and the relation of these to Christian conduct. Assigned reading, lectures and discussions.

14. **Genealogy.**—Autumn and Spring. T. Th., 11:30. Two hours credit. Sudweeks.

This course deals with such subjects as the place of genealogy in the plan of salvation, our responsibility to our dead ancestors, genealogical research, the pedigree, the family record, temple sheets, and temple ordinances.

19, 20, 21. **Doctrine and Missionary Method.**—Autumn. T. Th., 11:30. Two hours credit each quarter. Ivins.

A course designed especially for prospective missionaries. A review of the history of religious propaganda, a detailed study of methods employed in preaching the doctrines of the Church.

22, 23, 24. **Hymnology and Music Directorship.**—Autumn. T. Th., 11:30. Two hours credit each quarter. Madsen.

Study of the historical, doctrinal, prophetic, poetic, and esthetical content of songs and hymns of the Latter-day Saints. They are classified according to their dominant features poetically and musically and are emphasized according to their value to humanity. Special training in the essentials of church music leadership and rudimentary conducting is one of the most important features of the course. Taken by permission.

25. Christianity and Christian Religion.—Autumn. T. Th., 11:30. Two hours credit. J. M. Jensen.

In this course consideration will be given to Judaism as a forerunner and herald of Christianity. Israelitish faith and prophecy will receive attention, and the culmination of progressive, spiritual Judaism in Christianity will be stressed.

26. Christianity and Christian Religions.—Winter. T. Th., 11:30. Two hours credit. J. M. Jensen.

A study of important Christian religions of the present day: Catholicism; some of the important denominations of Protestantism; Christian Science; and the Salvation Army movement. The origin and history of each will be considered at sufficient length to give a background for a careful analysis of the principles of the modern Christian churches.

27. Christianity and Christian Religions.—Spring. T. Th., 11:30. Two hours credit. J. M. Jensen.

A study of present tendencies among Christian churches. Fundamentalism and Modernism as cross sections of various denominations will be analyzed. The relationship of modern science to Christianity will receive serious thought.

Upper Division Courses

52. The Mormon Community.—Autumn. T. Th., 11:30. Two hours credit. Nelson. (See Sociology 52.)

Social, economical, and political backgrounds of Mormon Community organizations. Special attention is given to the village form of rural community as created by the Latter-day Saints. The contemporary influences which had a bearing on the village idea, and the subsequent history of the Mormon group, especially the conflict and cooperation experiences, are given consideration.

NEW TESTAMENT.—The three courses following aim at a constructive and interpretative study of the New Testament. The courses will be based primarily on the text, although outside authorities will be used. The courses will include a study of the social, political, and religious conditions in and about Palestine during New Testament times.

54, 55. **Life and Teachings of Christ.**—Autumn T. Th., 11:30. Two hours credit each quarter. Swenson, Martin, Sperry.

A study of the life and teachings of Jesus as revealed in the New Testament.

56. **Life and Teachings of Paul and Other Apostles.**—Spring. T. Th., 11:30. Two hours credit. Swenson, Martin, Sperry.

The course in addition to a study of the journeys and missions of Paul, will include a study of some of the Epistles.

57. **Philosophy and Life.**—Autumn. T. Th., 11:30. Two hours credit. Osmond.

A discussion of the fundamental principles of philosophy, science, and religion and their inter-relations. A brief historic sketch of Greek philosophy is given as an introduction to a more careful study of Realism, Mysticism, Rationalism, and Idealism.

58. **Philosophy and Life.**—Winter, T. Th. Two hours credit. Osmond.

A continuation of course 57. A comparative study of natural and revealed religion. The seven fundamental natures of man, the negative and positive conditions of happiness, pleasure, joy, and tragedy of life, are the principal subjects discussed in this course.

59. **Philosophy and Life.**—Spring. T. Th., 11:30. Two hours credit. Osmond.

A continuation of course 58. This course is devoted to a study of the elements and agencies of redemption, the spiritual life, good and evil, the truth, the fine art of living, and the philosophy of conflict.

63, 64, 65. **History of the Christian Church.**—Autumn. T. Th., 11:30. Two hours credit each quarter. Snow. (Not given this year.)

Christianity a product of Mediterranean civilization created anew by the Messiah. A brief study of the oriental and classic culture and philosophy out of which emerged the Christian Church under the Teachings of Christ, Paul, the Church Fathers and the Clergy both lay and clerical. Attention will be given to the development of the Papacy, the conflict between orthodoxy and heresy, the rivalry of Empire and Papacy, the Conciliar movement, the Renaissance and Reformation and the diversity of religious beliefs and practices under the new spirit of tolerance and liberty. The present status of Christendom will conclude the year's work.

66, 67, 68. **Bible History.**—Autumn, Winter, Spring. T. Th., 2:30. Two hours credit each quarter. Sperry.

Growth of the Bible. Growth of traditions and story cycles and their historical values. Historical survey of Israel and a study of their social, ethical and religious ideas and ideals. Application of their problems to modern world conditions. Brief historical background, interpretation and literary merits of the books of the Old Testament.

69. **History of Religion in the United States.**—Autumn or Winter. T. Th., 9:30. Two hours credit. Christen Jensen.

The heritage from the Old World; religious development in the colonies; tendencies toward liberalism; relationship of church and state; the religion of the frontier; Christianity and the Indians; the churches and slavery; evangelism in religion; humanitarian aspects of religion in the United States; tendencies toward emancipation from formal worship and orthodoxy; religious educational institutions and societies; rise of new sects; the problem of socializing, rationalizing, and spiritualizing religion; organization and structure of the churches in the United States; auxiliary church organizations; missionary activities; tendencies toward unity. (A knowledge of the hstory of the United States is desirable as a background for this course.)

71. Mental Hygiene and the Psychology of Childhood.—Autumn. T. Th., 11:30. Two hours credit. Poulson.

A course dealing with certain important specialized phases of educational psychology. An attempt will be made to present in systematic form the latest findings in child psychology and to suggest applications of the same in the home, the school and the church. Problems in relation to the development of integrated personalities will be emphasized. Prerequisites, Psychology 11 or 21.

72. Psychology of Adolescence.—Winter. T. Th., 11:30. Two hours credit. Poulson.

Continuation of course 71 with special reference to the educational problems of adolescence as the psychologist sees them. Certain phases of psychology of religion which pertain especially to this period will receive consideration. Prerequisite, Psychology 11 or 21. (See Psychology 72.)

73. Psychology of Religion.—Spring. T. Th., 11:30. Two hours credit. Poulson.

An advanced consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70, 71, or 72. (See Psychology 73.)

74. Social and Recreational Leadership.—Autumn T. Th., 11:30. Two hours credit. Jeppson and Hart.

Social dancing. This course is designed to prepare students for teaching and supervising social dancing in wards and communities. Ballroom management and dance music will be given particular emphasis.

75. Social and Recreational Leadership.—Winter. T. Th., 11:30. Two hours credit. Jeppson and Hart.

This course is designed to prepare leaders in directting home entertainment. Plans for special holiday parties, occasional informal affairs will be studied.

76. Social and Recreational Leadership.—Spring. T. Th., 11:30. Two hours credit. Jeppson and Hart.

This course is given to meet the needs of church and school recreational leaders. The various forms of play for primary and secondary school, and church auxiliary organizations will be studied and workable plans compiled. Each student will have opportunity for practice.

77. Scout Leadership.—Autumn. T. Th., 11:30. Two hours credit.

A course designed especially for scoutmasters and prospective scout leaders. The first part of the course will consist of a series of short hikes on which the following topics will be studied: How to walk, packs for pedestrians, campmaking, fire-building, camp cookery, knots, hitches and lashings. The second part of the course will consist of a study of first aid, bandaging, personal and public health.

78. Scout Leadership.—Winter. T. Th., 11:30. Two hours credit.

A continuation of course 77. The topics to be studied are: Organization of a Scout troop and its relationship to the Local Council and the National Council, Boy Scouts of America; the methods of troop management and the use of the patrol system; the psychology of the Boy Scout; scout stories and games.

79. Scout Leadership.—Spring. T. Th., 11:30. Two hours credit.

A continuation of course 78. Signs, symbols, and signaling; pathfinding and mapmaking; trees, flowers, birds, common wild animals, and stars are the subjects to be studied in the classroom and while on short hikes.

81. Philosophic Ethics.—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed, such as: Materialism versus purposive evolution, the nature of good and evil, the problem of the self, a status of values, are we masters of our fates, Immortality, Democracy and the Moral Order. This course is designed to meet state requirements in ethics or sociology. (See Philosophy of Education 86 and Sociology 86.)

82. Ethics as Applied to Individual Development.—Winter. T. Th., 11:30. Two hours credit. Woodward.

The course aims to present a definite technique of character building. It is designed to give specific help to students and teachers interested in the development of the abudant life. It covers such problems as the nature of man, his opportunities for growth and development, the nature of the good life, man's struggle for happiness, the laws upon which happiness depends, and characteristics which make up a satisfactory character, the analysis of the good life. It deals also with a technique designed to assist the student in the development of the power of self-control and self-mastery. This course is listed also in the Department of Sociology and in the Department of Philosophical mastery. It is designed to meet part of the state requirements in ethics and sociology. (See Sociology 87 and Philosophy of Education 87.)

83. The Message of the World's Great Teachers.

—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course deals with the message of life and self devedopment as set forth by the world's outstanding teachers. The following systems of thought are included: The Philosophy of Jesus, Buddhism, early Hinduism, Confucianism, Taoism, and Zoroastrianism. A careful study is made of these outstanding philosophic and religious systems with special reference to the theory and technique of character building leading to individual self realization. (See Philosophy of Education 88.)

84. **Religion and Life.**—Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to make an analysis of the basic concepts set forth in the Doctrine and Covenants together with a consideration of how these concepts may assist in building a happy life. The course is conducted on a seminar basis.

85. **Religion and Life.**—Winter. T. Th., 11.30 Two hours credit. Lambert.

This course offers students an opportunity to make a study of the historical and social backgrounds into which various sections of the Doctrine and Covenants came. It considers the needs which the various revelations contained in this book met as they were given. The course is conducted on a seminar basis.

86. **Administration of Private and Parochial School and Seminaries.**—T. Th., 11:30. Two hours credit. Lambert.

This course offers students an opportunity to study the place of the private and the denominational school in America and the relationships which exist between private and state schools. Students majoring in Educational Administration may obtain major credit for this course.

87, 88, 89. Rationality of Religion.—Autumn. T. Th., 11:30. Two hours credit each quarter. Wilson.

This course will deal with the following: Religion as life in its relationship to philosophy, the concept of truth, how arrived at, the concept of God, his relations to man, and his plan for man's redemption. Jesus Christ and his relation to the plan, his divinity, and the atonement brought about by him. Joseph Smith, his mission and work. The Church as a social organization, its functions, methods and problems. The relation of psychology to personal religious development, the tests of religious progress in terms of personal welfare. The relation of religion to the natural sciences, the concept of evolution and its relation to religion, the nature of progress, and the relation of all life's interests to the gospel of Jesus Christ.

94. Man and His Relationship to the Universe.—Autumn. T. Th., 11:30. Two hours credit. Hansen.

Anthropology. A series of lectures covering the speculations as to the origin of man in the Old and New World, and prehistoric man's contribution to the historic world of religion.

95. Man and His Relationship to the Universe.—Winter. T. Th., 11:30. Two hours credit. Snow.

Primitive and Great Religions of the World. A general perspective of the important religions of the world. Among the religions considered are: Religions of primitive people of Babylonia and Assyria, Egypt, Judaism, Mohammedanism, Zoroastrianism, the religions of China, Japan, Greece, Rome, and of the Celts and Teutons. Some attention is also given to a study of early Christianity.

96. Man and His Relationship to the Universe.—Spring. T. Th., 11:30. Two hours credit. Eyring.

History of science and its relations with religion of philosophy. A study will be made of the religious and philosophic overbeliefs which have emerged from science as it has been in the making, special emphasis being given to the development of the materialistic conception of the universe during the last century and of the modern tendency toward a more spiritual interpretation. It will be pointed out that to see life as an integrated whole one needs not only science, but art, philosophy, and religion.

Graduate Courses

105. Research in Religious Education.—Autumn. Winter, or Spring. Two hours credit. Lambert.

A course in technique or research as applied to problems in religious education and which will provide an opportunity for students to apply acceptable methods of investigation to problems in this field. Credit is based upon presentation of an acceptable paper embodying the results of independent work upon an approved problem.

106. Research Methods in the Social Sciences.—Spring. T. Th., 11:30 and W., 2:30. Three hours credit. Nelson.

It is recommended that students should have had Mathematics 13 or Educational Administration 79 before taking this course.

121, 122, 123. Seminar.—Autumn, Winter, Spring. —W., 4:30. One hour credit. Wilson.

161. Primitive and Great Religions of the World. —A rather intensive study of some one of these will be required. Prerequisite: Religious Education 95. (Not given this year.)

162. The Religious Rivals of Early Christianity. —This course will involve a survey of the religions most prominent in the Roman World at the birth of Christ. Particular attention will be given Mithraism and its relation to Christianity. (Not given this year.)

163. Early Christianity and its Different Appeals to Jew and Gentile.—Special problems of research; e. g. Nestorianism, Montamism, Gnosticism, and the Atonement. Various explanations of the Atonement may furnish a basis for careful study.

164. Early Church Movements and the Development of a Catholic Church Organization.

165. Christianity and the Rationalism of the Eighteenth Century and the Speculative Theories Since.—Intensive study of some of the modern problems will be required.

173. Psychology of Religion.—Spring. T. Th., 11:30. Three hours credit. Poulson.

181. Philosophic Ethics.—Autumn. T. Th., 11:30 Two hours credit. Woodward.

This course parallels Religious Education 81.

182. Ethics as Applied to Individual Development.—Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 82.

183. The Message of the World's Great Teachers.—Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 83.

184. Religion and Life.—Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 84 and permits graduate students to do intensive work in the field.

185. Religion and Life.—Winter. T. Th., 11:30. Two hours credit. Lambert

This course parallels Religious Education 85 and permits graduate students to do intensive work in the field.

186. Administration of Private and Parochial Schools and Seminaries.—T. Th., 11:30. Two hours credit.

This course parallels Religious Education 86 and permits graduate students to do intensive work in this field. Students majoring in Educational Administration may obtain credit for this course.

187, 188, 189. Rationality of Religion.—Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Wilson.

These courses are extensions of courses 87, 88, and 89.

193. Methods in Religious Education.—Autumn or Spring. T. Th., Two hours credit. A. N. Merrill.

This course is designed for those who are expecting to qualify for efficient service in directing teacher training, in supervising instruction, and teaching adolescent and adult students. It will deal with the best devices employed in directing and supervising theological instruction, and also with the most efficient methods of teaching for the attainment of definite purpose in the field of theology.

195. Anthropology.—Winter. T. Th., 11:30. Two hours credit. Hansen. (See Sociology 95.)

A continuation of course 94 with special reference to the American Indians.

196. Anthropology Research.—Spring. Time and credit to be arranged. Hansen. (See Sociology 96.)

SECONDARY EDUCATION

Professors A. N. Merrill, Woodward, Eastmond, Nelson, Romney, Madsen; Associate Professors Sudweeks, Warnick, Lambert; Assistant Professors Boyle, Jensen, Hart, Morley, Hansen; Mr. Dixon, Mr. Peterson, Secondary Training School Faculty.

The following courses are suggested for students who desire to take work in other departments of the College of Education: Philosophy of Education 89, 92, 145; Educational Administration 50, 77; Elemntary Education 60; Psychology 74, 77. With the approval of the major professor courses from other departments may be offered to fill major requirements.

Upper Division Courses

51. Organization, Administration, and Teaching Methods in Secondary Schools.—Autumn or Winter. M. F., 10:30. Two hours credit. Merrill.

This course is designed to include a study of methods of teaching in high school, necessary as a prerequisite for practice teaching. This is part of the course Organization and Administration of Secondary Schools as outlined in the certification requirements of the state. Courses 51 and 52, will be required for those desiring credit in practice teaching and recommendation to the State Board of Education for certification. In course 51 emphasis will be placed on methods of teaching in high school.

52. Organization and Administration of Secondary Schools.—Autumn, or Winter. T. Th., 10:30. Two hours credit. Woodward.

During this course special attention will be given to the problems of high school organization and administration.

54. Secondary Teaching.—Autumn, Winter and Spring. Lecture period, W., 10:30. Practice periods to be arranged. Eight hours credit, four hours in each of two quarters. Merrill, Boyle, Jensen, and Secondary Training School Faculty.

This is a course in practice teaching under supervision. Each student before receiving credit in the course will make a critical study of one good book on the special methods of teaching his major subject. Approximately 80 hours of participation and responsible class room teaching will be required, but success in the course will be determined by the quality of the work done, not by the number of hours teaching. The students begin by performing the simpler routine tasks of the class-room and preparing the assignments made to the pupils. They will be permitted to assume responsibility as rapidly as they show ability to do so. A certain minimum of responsible teaching in full charge of the class is required. Each student will train in his major subject unless special arrangements are made for training in other lines. A student should have Educational Psychology and Philosophy of Education 81 as prerequisites to this course. Secondary Teaching 51 and 52, are to be taken as parallel courses. Before a student is registered he must present from his major and minor professors a statement that his scholarship is sufficiently high to justify his teaching the subjects. Hours for practice teaching must be arranged with the Supervisor of Secondary Training when registering.

55. **Junior High School Organization and Teaching.**—Spring. M. W. F., 9:30. Three hours credit. Merrill.

This course will deal with the most vital problems in the organization and methods of teaching in the junior high school. The functions, the objectives, the curricula and courses of study, and technique of teaching on this level will be given special consideration. Students will have an opportunity of observing in the Secondary Training School.

58. **Health Education for Teachers.**—Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

***62. Methods of Teaching Art.**—Autumn. and Winter. Th., 3:30. One hour credit. Two hours credit. Eastmond. (See Art 54.)

63. Methods of Teaching Agriculture.—Autumn. F., 8:30. Two hours credit. Sudweeks.

A practical course in the application of methods to the teaching of Agriculture. Intended to accompany or precede Secondary Teaching 54. For senior or junior students who are preparing to teach Agriculture. Emphasis will be given to consideration of Smith-Hughes standards and requirements.

64. Methods of Teaching Music.—Winter. T. Th., 8:30. Two hours credit. Hanson. (See Theory of Music 91.)

65. Methods of Teaching Modern Languages.—Autumn. Time to be arranged. Two hours credit. Cummings. (See German 65, French 65.)

66. Methods of Teaching Physical Education.—Autumn and Winter. Time to be arranged. Romney, and Dixon. (See Physical Education 92.)

67. Methods of Teaching Home Economics.—Autumn. T. Th., 8:30. Warnick. (See Home Economics 81, 82.)

68. Methods of Teaching Speech.—Autumn and Winter. Two hours credit. One hour per week. Time to be arranged. Morley. (See Speech 91.)

69. Measurements of High School Teaching.—Spring. 1:30. Four hours credit. Sudweeks.

A study of standard tests, now available for use in high school subjects. Some practice will be given in giving and scoring tests, interpreting results, and planning remedial teaching. Open to advanced students only. Some consideration given to Old and New Type Exanimations.

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*Special method courses are offered in some of the other subjects. Such courses, when offered, are described as separate courses in the respective departments and credit for such courses is to be use to fill major rather than educational requiremnts.

81. **Science of Education.**—Autumn, Winter and Spring. 9:30. Four hours credit each quarter. Woodward. (See Philosophy of Education 81.)

This course is required of all students in education who expect to qualify for high school state certification and should be taken during the junior year.

91. **The High School Curriculum.**—Winter. M. T. W. Th., 9:30. Four hours credit. Merrill.

In this course, the principles governing the organization of the high school curriculum, will be studied. The evalution of the objective, the course of study and the activity phase of the present high school curriculum will be considered with the idea of improvement. The unification of the work of the various departments of the high school and how these may contribute to the achievement of the recognized aims of education will be a part of the course.

92. **Vocational Education.**—Autumn. 9:30. Four hours credit. (See Philosophy of Education 92.)

94. **Educational and Vocational Guidance.**—Autumn. 9:30. M. T. W. Th., Four hours credit. Merrill.

In this course a survey will be made of the development in the field of vocational guidance. It will include a consideration of the principles of vocational guidance early vocational experience as a feature in determining the choice of an occupation; equipment and method of a vocational counselor; the school as a vocational guidance center; modification of the high school curriculum to faciliate vocational choice; type of reading which will lead to proper vocational adjustment; placement as a function of the schools; relation of vocational guidance to industrial education.

Graduate Courses

101. **Special Problems in High School Curriculum**

with Special Reference to Utah Schools.—Time to be arranged. Four hours credit. Merrill.

In this course, a careful analysis will be made of the subject matter and student activities now required of students in the different phases of work in the high schools of Utah. The students will investigate the high schools of their special interests for the purpose of ascertaining the nature of the curriculum that is at present being administered, and comparing this with the latest thought in the field of curriculum making.

102. Problems in Part-time Education.—Hours to be arranged. Two hours credit. Merrill and Woodward.

This course deals with the methods and problems of part-time education; the character of the population to be educated, methods of teaching in part-time classes, job analysis and course organization.

147. Research Work in Sceondary Teaching.—The consent of the instructor is necessary before registering. Merrill, Lambert.

In certain courses, students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic embodying the results of independent work.

148. Introduction to Research and Thesis Writing.—Autumn. Two or three hours credit. Lambert.

A course in principles and techniques, research and training in thesis preparation with instruction in using sources of materials, preparation of bibliography, organizing and reporting results of investigations, selection of suitable thesis problems. Senior students may enter with the consent of the instructor. All students registering as candidates for the Master degree in the College of Education are expected to take this course.

150. Graduate Seminar in Education.—Each alternate Monday, 7:30 to 9:30 p. m.

169. Measurements of High School Teaching.—Spring. 1:30. Four hours credit. Sudweeks.
(See Secondary Education 69.)

191. The High School Curriculum.—Winter. M. T. W. Th., 1:30. Four hours credit.
(See Secondary Education 91.)

192. Vocational Education.—Autumn. 9:30. Four hours credit. Merrill.
(See Philosophy of Education 92.)

194. Educational and Vocational Guidance.—Autumn. M. T. W. Th., 9:30. Four hours credit: Merrill.

200. Thesis Work in Secondary Education.—From four to eight hours credit, depending upon the problem. Merrill and Woodward.

SOCIOLOGY

Professors Swenson, Woodward, Nelson, Hansen; Asssistant Professor Boyle

Lower Division Courses

Courses 11, 12, 13, are prerequisite to all other courses in Sociology. Upper division students register for these courses as 55, 56, 67, for upper division credit.

11 or 55. Introduction to the Study of Sociology. Autumn. M. W. F., 2:30. Three hours credit. Swenson.

This course is designed to give the ground work for social study. Gives a general view of social organizations, social forces and a practical working theory of the nature of society.

12 or 56. Elementary Principles of Sociology.—Winter. M. W. F., 2:30 Three hours credit. Swenson.
Continuation of course 11.

13 or 57. Social Problems.—Spring. M. W. F., 2:30. Three hours credit. Swenson.

A discussion of concrete social problems.

41. Juvenile Sociology.—Autumn, T. Th., 9:30. Two hours credit. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group. The child's moral equipment, his social traits, and moral and sex education through school subjects. History of juvenile delinquency and the study and treatment of delinquents.

Upper Division Courses

51. Community Organization and Leadership.—Spring. M. W. F., 9:30. Three hours credit. Swenson.

This course deals with the problems of community life and action, and the methods of promoting them through organization and leadership. Special attention will be given Church organizations in their relation to the recreational, ethical, and spiritual life of the community.

52. History and Development of the Mormon Community.—Two hours credit. Nelson.

This course deals with the evolution of the "village" form of community organization among the Latter-day Saints. The social, political, economic, and intellectual characteristics of the early nineteenth century are studied as background material. Subordinate treatment is given to village systems of Europe and Asia, and their possible relation to the Mormon village. Early economic ideals of the Mormon as embodied in the "United Order", together with other plans for "building Zion" are considered.

53. Rural Sociology.—Winter. M. W. F., 10:30. Three hours credit. Nelson.

A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time, such as rural migration, standard of living, town and country relations, and changes in institutional life.

61. Educational Sociology.—Autumn. M. W. F., 9:30. Three hours credit. Swenson.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. Community Welfare.—Winter. 9:30. Two hours credit. Swenson. (Not given this year.)

A study of local organizations for social, civic, and philanthropic work. Special emphasis on case work.

66. Urban Sociology.—Winter. 9:30. Two hours credit. Swenson.

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

70. Social Control.—Spring. M. W. F., 8:30. Three hours credit. Swenson. (Not given this year.)

A study of the means of the control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideals, etc., will be studied in detail.

75. The Family.—Spring. M. W. F., 8:30. Three hours credit. Swenson.

A study of the history and development of the family and its place as an institution in the development of our civilization. The course also considers the modern family and its problems.

81. The History of Social Theory.—Winter. M. W. F., 9:30. Three hours credit. Swenson.

The course deals with evolution of social theories beginning with Plato and considering the developments through the early Christian Era and also the Medieval and modern social theorists.

86. **Philosophic Ethics.**—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evlution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed, such as: Materialism versus purposive evolution, the nature of good and evil, the problem of the self, a status of values, are we masters of our fates. Immortality, democracy and the moral order. This course is designed to meet state requirements in ethics or sociology. (See Philosophy of Education 86 and Religious Education 81.)

87. **Ethics as Applied to Individual Development.**—Winter. T. Th., 11:30. Two hours credit. Woodward.

The course aims to present a definite technique of character building. It is designed to give specific help to students and teachers interested in the development of the abundant life. It covers such problems as the nature of man, his opportunities for growth and development, the nature of the good life, man's struggle for happiness, the laws upon which happiness depends, and characteristics which make up a satisfactory character, the analysis of the good life. It deals also with a technique designed to assist the student in the development of the power of self-control and self-mastery. This course is designed to meet part of the state requirements in ethics and sociology. (See Philosophy of Education 87 and Religious Education 82.)

89. **Social Ethics.**—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems, the present conflict in moral and ethical ideals, the meaning of democracy, the ethics of modern business, the breakdown of Puritan ethics, Individualism, Christian ethics, the problems of capital and labor, international good will and world peace. This course is designed to meet state requirements in ethics or sociology. (See Philosophy of Education 89.)

90. Labor Problems.—See Economics 59.

91. Labor Legislation.—See Economics 61.

94. Anthropology.—Autumn. T. Th., 11:30. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archeological evidence.

95. American Anthropology.—Winter. T. Th., 11:30. Two hours credit. Hansen.

A study of the American Indian and his place among the races of mankind as interpreted from paleontological data.

96. Cultural Anthropology.—Spring. T. Th., Two hours credit. Nelson.

An analysis of the social institutions of primitive people and how those institutions have developed. The meaning and content of culture. (See Religious Education 96.)

Graduate Courses

101, 102, 103. Research.—Time and credit to be arranged. Swenson.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

104. Research Methods in Social Science.—Three hours credit. Nelson.

The nature of social science; types of approach to and methods of study of social phenomena. Students should have some knowledge of statistical method before taking the course, or get consent of the instructor.

151. Community Organization.—Spring. M. W. F., 9:30. Three hours credit. Swenson.

152. History and Development of the Mormon Community.—Two hours credit. Nelson.

161. Educational Sociology.—Autumn. 9:30, Three hours credit. Swenson.

169. Advanced Anthropology.—Spring. T. Th., Two hours credit.

181. History of Social Theory.—Winter. M. W. F., 9:30. Three hours credit. Swenson.

185. Social Organization.—Winter. Three hours credit.

186 Philosophic Ethics.—Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Sociology 86.

187. Ethics as Applied to Individual Development.—Winter. T. T., 11:30. Two hours credit. Woodward.

189. Social Ethics.—Spring. T. Th., 10:30. Two hours credit. Woodward.

190. Labor Problems.—Winter. Three hours credit.

191. Labor Legislation.—Spring. Three hours credit.

194. Anthropology.—Autumn. Two hours credit. Hansen.

195. Cultural Anthropology.—Spring. Two hours credit. Nelson.

197. Research.—Time and credit to be arranged.

200. Thesis.

SPEECH

Professors Pardoe, Cummings, Poulson; Assistant Professor Morley; Mrs. Stewart

Students majoring in this department are required to furnish two years in a foreign language. They may elect one of the two divisisons, Public Speaking or Dramatic Arts. Requirements for Public Speaking are Speech 1, 2, 3, 11, 42, 51, 52, 53, 77 or 78, 84p, and 91. Requirements for Dramatic Arts are 1, 11, 12, 22, 42, 43, 62, 72, 73, 81p, 87p and 91.

It is advisable to register for Physics 11, Psychology 11 and 70.

Lower Division Courses

1. Principles of Speech.—Autumn. M. W. F., 1:30. Three hours credit. Pardoe.

The elements of speech, proper carriage, and simple outline of speeches constitute the major portion of this course. The overcoming of self-consciousness, and the ability to feel at ease developed to a profitable conclusion.

2. Open Forum Discussion.—Winter. M. W. F., 1:30. Three hours credit. Pardoe.

Encouragement and practice in extemporaneous speech and application of speech principles. Methods of vocabulary building.

3* **Speech Analysis.**—Spring. M. W. F., 1:30. Three hours credit. Pardoe.

The study of masterpieces and models of speech composition. Practice, in delivery and analysis. Much of this course is planned for platform practice, extemporaneous and impromptu. Individual needs especially motivated.

11. Elementary Elocution.—Autumn. T. W. Th. F., Sec. 1, 8:30; Sec. 2, 9:30. Four hours credit. Morley.

Fundamental principles of speech arts. Thought analysis and methods of expression constitute the major portion of this course.

12. Classical Literature.—Winter. T. W. Th. F. Sec. 1, 8:30; Sec. 2, 9:30. Three hours credit. Morley.

Application of the elements of reading to great scenes of classical literature. Voice and body technique are scientifically treated with relation to their importance to the art of interpretation.

13. Dramatic Monologue.—Spring. M. W. F. Sec. 1, 8:30; Sec. 2, 9:30. Four hours credit. Morley.

Special attention is given to the dramatic monologue and soliloquy. The ability to project thought analysis without losing the spirit of the selection is given special attention.

21. Interpretative Literature.—Autumn. M. W. F., 10:30. Three hours credit. Morley. Courses 11, 12, and 13 are prerequisites.

A study of thought and emotion with relationship to the printed page. Character delineation forms a great portion of the work. American authors are given special consideration.

22. Dialogue and Scene Presentation.—Winter.

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*Classes in speech are divided for best individual attention as registration warrants.

M. W. F., 10:30. Three hours credit. Morley. Courses 11, 12, 13, prerequisites.

The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form a basis of the course. Character analysis and presentation.

42. **Practical Phonetics.**—Winter. T. Th., 1:30. Two hours credit. Cummings.

A course prescribed for all majoring in speech. Given to aid students to acquire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages, Phonetics 42.)

43. **Representative Dialect.**—Spring. M. W. F., 10:30. Three hours credit. Pardoe. Speech 42 is a prerequisite.

A study of dialect as an element of humor in interpretation.

Upper Division Courses

51. **Advanced Speech Composition.**—Autumn. M. W. F., 8.30. Three hours credit. Pardoe.

An intensive study of the organization of advanced forms of public speaking and practical experience in their delivery.

52. **Argument and Debate.**—Winter. M. W. F., 8:30 Three hours credit. Pardoe. Prerequisite, English 1, 2, 3, or Speech 1 and 2.

A study of the principles of argument followed by a series of debates on current questions. (See English 6.)

53. **Religious Public Speaking.**—Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A course designed for students preparing for the mission field and for those who wish to participate in the public speaking activities of the church.

61. Speech Projects.—Autumn. T., 4:30. One hour credit. Pardoe.

A speech seminar studying individual problems.

62. Impersonation.—Winter. Daily, 1:30. Five hours credit. Pardoe.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses 1, 2, 11, 12, 13 and 22 are eligible. Public recitals form a good portion of the practice work.

71. Acting.—Autumn. M. W. F., 2:30. Two hours credit. Two class hours and one laboratory period per week. Advanced students only. Morley.

A study of the principles governing the art of acting will be made. Practical application of the technique learned will be made in productions prepared for the Little Theatre. Instruction in make-up will form part of the course.

72. Play Production.—Winter. M. W. F., 2:30. Three hours credit. Two class hours and one laboratory period per week. Advanced students only. Morley. Courses 11, 12, 13, 22, prerequisites.

73. Stage Craft.—Spring. M. W. F., 2:30. Two hours credit. Morley. Two class and one laboratory periods per week. Speech 72 prerequisite. It is suggested that students also take Art 21 as a preparation for this course.

This is a practical course in design, construction and handling of scenery, costumes, properties lighting, employed in present-day theatrical art.

77. History of Dramatic Production.—Autumn. T. Th., 1:30. Two hours credit. Pardoe.

The Egyptian, Grecian and Roman Theatre. A study of the means employed in the theatrical presentations during the above periods.

78. History of Dramatic Production.—Winter T. Th., 1:30. Two hours credit. Pardoe.

The Oriental theatre and the European theatre from the Romans to Elizabeth.

79. History of Dramatic Production.—Spring. T. Th., 1:30. Two hours credit. Pardoe.

From Elizabeth to the moderns.

81-p. Dramatic Technique.—One hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course in advanced interpretation. A careful analysis and study of human emotions and their portrayal, bodily coordination, pantomime, gesture. Time and fee to be arranged with instructor.

84-p. Public Speaking.—One hour credit per quarter for each recitation per week. Pardoe, Morley.

An intensive individual course designed for those who desire to concentrate on organization and delivery of the more advanced forms of public speech. Time and fee to be arranged with instructor.

87-p. Voice and Speech Improvement.—Oue hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course designed to help the student replace bad, with good speech habits with particular attention to development of a pleasing, well-modulated speaking voice. Time and fee to be arranged with instructor.

91. Methods of Teaching Speech.—Spring. T. Th., 8:30. Two hours credit. Morley.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching. (See Secondary Education 68.)

Graduate Courses

105. Psychology of Speech.—Spring. T. Th., 8:30. Two hours credit. Poulson. (See Psychology 105.)

123. Dialect Research.—Spring. M. W. F. Laboratory, two hours per week. Three hours credit. Pardoe. Speech 42 and 43 are prerequisites.

131. Technique of Play Writing.—Winter,Spring. Three hours credit. Pardoe.

132. Technique of Play Writing.—Three hours credit. The writing and producing of original plays, with emphasis laid upon western themes. The virgin field of mountain and pioneer stories will furnish major material. Time to be arranged. Pardoe.

171. Acting.—Autumn. M. W. F., 2:30. Two hours credit. Morley.

172. Play Production.—Winter. M. W. F., 2:30. Two hours credit. Morley.

173. Stage Craft.—Spring. M. W. F., 2:30. Two hours credit. Morley.

177. History of the Drama—(Ancient).—Autumn. T. Th., Pardoe.

178. History of Dramatic Production.—(The Oriental Medieval Theatre.)—Winter. T. Th., 1:30. Two hours credit. Pardoe.

179. History of Dramatic Production.—Includes the Elizabethan period to Ibsen.

191. Methods of Teaching Speech.—Spring. T. Th. Two hours credit. Morley.

194. Speech Correction.—T. Th. Time to be arranged. Pardoe. Speech 105 a prerequisite.

200. Thesis.—Three to five hours credit. Time to be arranged. Individual research upon a problem of importance to speech. Ability to conduct experiments necessary and subject must be submitted for work during three quarters. Pardoe.

ZOOLOGY AND ENTOMOLOGY

Professor Tanner; Dr. Cullimore, Dr. Oaks, Dr. Merrill
Mr. Hayward.

Students majoring in this department must complete courses 11, 30, 55, 56, 71, 75, 78, 80, 82, and 94. Substitution of other courses is permitted in special cases. Students are also advised to complete two years of German and French if they contemplate doing advanced work in Zoology or Entomology.

Students who expect to study medicine may take Zoology for their major subject and complete the courses advised or they may take the following courses: 11, 55, 56, 71, and 72.

Students who desire to teach Biology in the High School should complete the following courses: 11, 20, 30, 55, 56, 65, and 71; Botany 12, 21, and 55.

Facilities for the Study of Zoology and Entomology

The natural history collections consist of a very complete collection of Utah fish, amphibians, reptiles, birds, and mammals. This collection is also supplemented by the Chester Van Buren collection of birds from Magdalena River of Colombia, South America, which consists of over a thousand skins; and the David Starr Jordan collection of fish from the Hawaiian Islands. The Entomological collection contains authoritatively named specimens in all the orders of insects. The pinned insects are placed in four hundred trays, 18x19 inches in size, two inches deep. The specimens are pinned in unit boxes. The Lepidoptera collection is a very complete one of Utah and the Great Basin region. It contains over six hundred named species and ten thousand specimens. It is made up of the famous Tom Spalding collection and the Chester Van Buren collection. The Coleptera collecton contains over five thousand determined species and thirty-five thousand specimens It contains a very complete collection of weevils, 280 species from the Blatchley collection.

A well equipped laboratory is maintained at the mouth of Provo River on the East shore of Utah Lake. This provides ample facilities for careful study of this interesting fresh water lake.

ZOOLOGY

Lower Division Courses

11. General Zoology.—Autumn and Spring. T. Th., 10:30. Laboratory, Autumn. T. 1:30 to 3:30; Spring. Th., 1:3013:30. Three hours credit. Tanner, Hayward.

Fundamentals of structure, physiology, development, heredity, adaptations, classifications, and bearing of Biology on human life.

20. Health Education.—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, Merrill, Hayward.

Practical course in personal hygiene. Built upon principles of physiology, and designed to give specific as well as general information concerning questions of personal health. It is also a prerequisite to Zoology 58 in meeting Utah State Board of Education health education requirements for teachers.

23. Animal Ecology.—Spring. M. W., 9:30, laboratory W., 2:30-5:30. Three hours credit. Tanner.

This course will consist of lectures and field work. the environment, natural habitats, adaptions, relationships of organisms, and distribution of species and communities will be considered.

Upper Division Courses

55. Invertebrate Zoology.—Winter. T. Th., 8:30. Laboratory M. W., 1:30 to 4:30. Four hours credit. Tanner, Hayward.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationship of the invertebrate groups. Much emphasis will be placed upon the invertebrate life of the Great Basin region. Considerable time will be spent on the phylum Arthropoda.

56. Vertebrate Zoology.—Spring. T. Th., 8:30. Laboratory, M. W., 1:30 to 4:30. Four hours credit. Tanner, Hayward.

A general course dealing with the habits and the geographical distribution of the vertebrate species. Much time will be devoted to a study of the fish, amphibians, reptiles, birds and mammals of the Great Basin.

57. Ornithology.—Spring. T. Th., 7:30. Laboratory, Th., 1:30-3:30. Three hours credit. Hayward. Prerequisites, Zoology 11 and 56.

A course in the evolution, structure, classification, and distribution of birds, with special reference to the Utah species. There will be several field trips including an all-day trip to Bear River Bay Region.

58. Health Education for Teachers.—Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. Open to juniors and seniors. This course deals primarily with teachers' particular problems in posture, nutrition, hygiene of the nervous system, detection of physical defects, school room hygiene and sanitation. Designed with Zoology 20, to meet Utah State Board of Education requirements in health education for teachers. Prerequisite, Zoology 20.

59. **Ichthyology.**—Winter. M. W. F., 8:30. Three hours credit. Tanner.

An introductory course dealing with the problems relating to the life history of fishes, classification of species found in this region, and a study of the ecology of the Great Basin fishes.

65. **Human Physiology.**—Spring. M. W. F., 7:30; laboratory T., 1:30-4:30. Five hours credit. Cullimore, and Hayward.

This course is designed to give the student a working knowledge of the life processes as they function in man. The properties of living matter will be studied as a basis for understanding the mechanism of the specialized systems of the human body. Prerequisite, Zoology 11.

71. **Histology.**—Autumn. M., 9:30; Laboratory, M. W. F., 1:30-4:30. Three hours credit. Tanner, Hayward. (Not given this year.)

Microscopic structure of the tissues and organs of animals. Practical training in fixing tissues, embedding, sectioning, staining, and mounting of permanent specimens.

72. **General Embryology.**—Autumn. F., 1:30. Laboratory six hours a week. Three hours credit. Tanner.

An introduction to the study of the development of the individual animal. The general topics which are discussed in lectures and studied in the laboratory are the germ cells and their formation, fertilization of the egg, cleavage of the egg, the formation of the germ layers. The origin and development of the organs and organ-systems of vertebrate animals are studied.

73. **Aquatic Zoology.**—Autumn. M. W. F., 9:30. Three hours credit. Tanner.

A general course in the study of fresh water animals of Utah Lake. A study of aquatic habitats is made in connection with field and laboratory work, involving the collection and identification of the more significant invertebrates, the determination of life histories, the study of structural and physiological adaptations, and an analysis of the chemical, physical, and biological factors operative in each complex. A series of lectures dealing with the more fundamental principles of limnology supplement the field and laboratory work. The course is planned for prospective teachers of biology as well as those who expect to major in Zoology. The work will be conducted at the Lakeside Biological Laboratory which has been established at the mouth of Provo River and on the shores of Utah Lake. A commodious building and equipment provides facilities for the study of the many problems of this fresh water lake.

75. **History of Biology.**—Winter. T. Th., 10:30. Two hours credit. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

Evolution and Genetics.—Winter. M. W. F., 10:30. Three hours credit. Prerequisite, some laboratory course in Zoology or Botany. Hayward.

The cell as the physical basis of heredity; the germ cycle, variation, mutation, Mendelism, inheritance of acquired characteristics, pure lines, sex determination, and the general problems of descent are discussed in the light of recent experimental data.

79. **Eugenics.**—Spring. M. W. F., 10:30. Tanner. (Not given this year.)

This course will stress such problems as, the laws of natural inheritance, population problems, environment, reform, marriage and divorce, and state aid for education. A study of the biological foundations of society will also be made. Prerequisite, some laboratory course in Zoology or Botany or Genetics.

80, 81. Seminar.—Autumn, Winter. One hour credit each quarter. Time to be arranged. Tanner, Hayward.

Required of all majors in this department during their junior and senior years.

85. Fresh Water Zoology Problems.—Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the plankton, mollusks, insects, fish, etc., of the lake. Problems will be assigned to individual students. Previous zoological work is a prerequisite. The work will be conducted at Lakeside Biological Laboratory.

93. Field Zoology.—Time and credit to be arranged. Tanner.

Open only to students majoring or minoring in Zoology and Entomology. Students may make extensive collections of the animal life of this state or adjoining states and then make a report on the same. The report and collection must be left with the university. This course aims to give the student training in systematic Zoology and museum work.

ENTOMOLOGY

Lower Division Courses

30. Elementary Entomology.—Autumn. T. Th. F., 1:30 to 3:30. Three hours credit. Hayward.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of this course.

34. Economic Entomology.—Field, Orchard and Garden Insects.—Autumn. M. W. F., 2:30 to 5:30. Three hours credit. Tanner.

A study of the principal injurious and beneficial insects of the field, orchard and garden. Will include field laboratory, and bibliographic work. Prerequisite course 30.

Upper Division Courses

61. Morphology of Insects.—Winter. Laboratory. M. T. W. Th., 1:30 to 4:30. four hours credit. Tanner and Hayward.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of insects. A few typical insects will be thoroughly studied.

62. Insect Classification.—Spring. Afternoon laboratory periods to be arranged. Three to five hours credit. Tanner and Hayward.

Students will collect and study systematically the insect fauna of the Provo region. Prerequisite course 61.

63. Arthropods of the Intermountain States.—Spring. M. W. F., 10:30. Three hours credit. Tanner.

A general course dealing with the morphology, physiology, and classification of the Arthropods of this region. An important course for all majors in Zoology.

64. Advanced Entomology.—Winter and Spring quarters. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

94. Principles of Nomenclature.—Winter. M., 4:30. One hour credit. Tanner.

A lecture course dealing with the principles of nomenclature and intended to meet the needs of students from any of the biological departments.

Graduate Courses

102, 103, 104. Special Problems in Systematic Entomology.—Time and credit to be arranged.

Studies in the structure and classification of certain groups of insects as Coleoptera, Diptera, Hymenoptera, etc.

105, 106. Research Work in Insect Morphology.—Time and credit to be arranged.

Special emphasis will be placed upon the morphology of the beetles. However students may choose any group for detailed study.

107, 108, 109. Special Problems in Economic Entomology.—Time and credit to be arranged.

The student is here given an opportunity to make a more or less detailled study of some insect of group of insects of economic importance. Students are incouraged to do considerable life history work.

110, 111, 112. History of Entomology.—A one hour lecture or seminar course required of all graduate students. Time and Credit to be arranged.

113, 114, 115. Research Work in Systematic and Economic Ornithology.—Time and credit to be arranged.

117, 118, 119. Zoölogical Research.—Time and credit to be arranged.

This course is open to all students prepared to do graduate work in any branch of zoological science.

200. Research.—Thesis. Credit by arrangement.

This course is required of all students seeking a master's degree in this department.

Extension Division

FACULTY

LOWRY NELSON, **Director**

FRANKLIN STEWART HARRIS, **President**
GEORGE H. BRIMHALL, **Religious Education**
LOWRY NELSON, **Rural Social Economics**
ALFRED OSMOND, **English**
CHRISTEN JENSEN, **History and Political Science**
ELBERT H. EASTMOND, **Art**
AMOS N. MERRILL, **Secondary Education**
EDWARD H. HOLT, **Office Practice**
BENJAMIN F. CUMMINGS, **Languages**
THOMAS L. MARTIN, **Agronomy**
HUGH M. WOODWARD, **Philosophy of Education**
WILLIAM J. SNOW, **History**
T. EARL PARDOE, **Speech**
M. WILFORD POULSON, **Psychology**
VASCO M. TANNER, **Zoology and Entomology**
GERRIT DE JONG, **Languages**
HERALD R. CLARK, **Finance and Banking**
GEORGE H. HANSEN, **Geology and Geography**
ELMER MILLER, **Economics**
MILTON MARSHALL, **Physics**
GUY C. WILSON, **Religious Education**
HARRISON R. MERRILL, **English**
J. M. JENSEN, **English**
C. S. BOYLE, **Accounting and Business Administration**
ELIZABETH CANNON, **Home Economics**
EFFIE WARNICK, **Home Economics**
WAYNE B. HALES, **Physics and Mathematics**
IDA SMOOT DUSENBERRY, **Psychology**
WILLIAM H. SNELL, **Mechanic Arts**
ASAEL C. LAMBERT, **Educational Administration**

EDGAR M. JENSEN, **Educatonal Administration**
ALONZO J. MORLEY, **Speech**
H. GRANT IVINS, **Animal Husbandry**
JOHN E. HAYES, **Registrar**
KIEFER B. SAULS, **Secretary to the President, Purchasing Agent**
BERTHA ROBERTS, **Office Practice**
ELSIE C. CARROLL, **English**
W. ELMO COFFMAN, **Science**
G. LYNN HAYWARD, **Zoology**
BERTRAND F. HARRISON, **Botany**
C. LAVOIR JENSEN, **Mathematics**
KNIGHT ALLEN, **Accounting and Business Administration**
MRS CHRISTEN JENSEN, **English**
MRS. NELLIE S. THORNTON, **English**
J. F. WAKEFIELD, **Apiculture**

Never before in the world's history were so many people attending college. But great as has been the increase in enrollment of residence students, it does not compare with the remarkable growth of what has come to be termed "Adult Education." Adults can learn as readily as younger people, if they apply themselves with equal attentiveness. This has been demonstrated scientifically in recent experiments.

Doubtless, the growth of adult education is partly due to the necessity of people learning new things. The development of science and invention has been so rapid in recent years as to literally flood the earth with strange new devices. Old occupations have been destroyed and new ones created. All people have been made aware of the interests and problems of others as a consequence. There has come an amazing demand from the general population for instruction suited to its needs.

The Extension Division brings the University departments of instruction to your door. If you would study history, literature, mathematics, or practically any other subject in the University, you can now study it under expert guidance through the Home Study Bureau.

Directed Home Study

Hundreds of students are enrolled annually in courses, the instruction in which is carried on by the correspondence method. This method has the advantage of placing the student in direct touch with the instructor and allowing him to study at home at hours suited to his convenience.

Extension Division Aims

To render service to those ninety-nine out of every hundred citizens, who, it is estimated, are unable to take advantage of the benefits of attending an educational institution, is the chief aim of the Extension Division of the Brigham Young University. To this end, correspondence courses and extension classes are offered to the public at a reasonable rate. Indeed, instruction by extension methods is more reasonable in Utah, than in the vast majority of states of the Union. Courses may be taken for credit or not.

Method of Instruction

After filing the application for enrollment and paying the fee, the student is sent the assignments of the course. He is given full instruction as to the required reading and preparation of his lesson, including questions to test his knowledge of the ground covered.

After preparing for recitation, the student does the required written work and mails it to the Extension office. This paper is criticized by the instructor, graded and returned to the student.

Each correspondence course carries credit equivalent to the corresponding courses in residence and therefore covers a definite amount of work. Most of the courses contemplate the students preparing about five assignments for each quarter hour of credit received.

Regulations

1. No degree is offered for work done wholly in absence.

2. A student may begin at any time a course for which he is prepared, and must complete it within a year from the time he registers. He must distribute his reports with approximate evenness throughout the period of study. Each assignment is aimed to cover about a week's study in that particular subject provided the student spends about an hour a day. If he desires to send in more than two assignments a week, he should obtain permission from the instructor. Reports may be rejected if the student attempts to compress his work unduly. This is considered to be a practice which is not conducive to the most satisfactory work.

3. A student may not take correspondence work while in residence without the consent of the Dean concerned.

4. A student who does not report either by letter or lesson within a period of ninety days may thereby forfeit his right to further instruction in the course.

5. Unless otherwise stated examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the University.

Entrance Requirements

Registration for extension courses demands the same entrance requirements as do courses in residence. That is, matriculation for college courses presupposes sixteen units of high school work. However, exception may be made in favor of mature students, or those who have practically completed their high school work.

Fees

The charge for correspondence courses is at the rate of $2.50 a credit hour, except as indicated in some courses, with a minimum fee of $5.00.

Fees will not be refunded because of inability of the student to continue a course for which he has registered. Permission to change to some other course may be given, however.

Extension Classes

The faculty of the school goes out into the communities and organizes regular classes which receive very much the same instruction as do residence students in corresponding courses. These classses are designed to meet the needs of persons who are not residence students of an educational institution. The usual procedure where such a class is desired is for the group to send to the Extension Division for an instructor.

Lectures and Entertainments

Members of the faculty have addressed or entertained in the neighborhood of two hundred thousand people in Utah and surrounding states during each of the past few years. These lectures and entertainments have for the most part been free except for transportation charges. The Extension Division, however, offers a regular lyceum course consisting of high class lectures and entertainments, for which a nominal charge is made.

Social Service

In this department there is included miscellaneous service consisting of recreation, club programs, plays and pageants, visual education, package libraries, etc.

Publications

The Extension Division publishes from time to time circulars of general or specific interest. These circulars may be on any one of a wide number of subjects. In fact, any department of the University may have the opportunity of publishing material through this bureau as far as resources will permit.

Leadership Week

The first annual Leadership Week was held in January, 1922. Since that time it has been an annual event. In January, 1932, the attendance represented 61 stakes of the Church. About twenty short courses were given.

CORRESPONDENCE COURSES

Note:

Courses marked "x" are either not given in residence or do not correspond precisely to residence courses in the same subject. All other courses parallel residence courses by the same number.

ACCOUNTING AND BUSINESS ADMINISTRATION

1. Elementary Accounting. Five hours credit. Boyle.

2. Elementary Accounting. Five hours credit. Boyle.

14x. Commercial Art· Two hours credit. Jensen. Fee $7.00.

22. Principles of Marketing. Three hours credit. Allen.

24. Salesmanship. Three hours credit. Allen.

25. Advertising· Three hours credit. Allen.

27. Cooperative Marketing. Three hours credit. Nelson.

30. Commercial Geography. Five hours credit. Hansen.

50. Intermediate Accounting. Four hours credit. Clark.

51. Intermediate Accounting· Three hours crdit. Clark.

52. Intermediate Accounting. Four hours credit. Clark.

61. Personnel Management. Three hours credit. Boyle.

62. Personnel Management. Three hours credit. Boyle.

63· Personnel Management. Three hours credit. Boyle.

74. Principles of Statistics. Three hours credit. Boyle.

75. Business Statistics. Two hours credit. Boyle.

AGRONOMY

21. Root Crops. Four hours credit. Martin.

22. Cereal Crops. Four hours credit. Martin.

23. Forage Crops. Four hours credit. Martin.

41. Soils. Three hours credit. Martin.

92. Bacteria in Relation to Soil Fertility. Three hours credit. Martin.

94· History of Agriculture. Three hours credit. Nelson.

99. Agricultural Literature· Credit to be arranged. Martin.

ANIMAL HUSBANDRY

2. History of Breeds of Live Stock. Five hours credit. Ivins.

8. Practical Poultry Farming. Three hours credit. Ivins.

ART

14x. Commercial Art· Two hours credit. Jensen. Fee $7.00.

17x. Illustration. Two hours credit. Eastmond. Fee $7.00.

47. Art Pageantry Production. Two hours credit. Eastmond.

BOTANY

21. General Bacteriology· Three hours credit. Martin.

55x. Local Flora. Three or five hours credit. Harrison.

90. Advanced Systematic Botany. Harrison.

DRAWING

4. Drawing. Two hours credit. Snell.

5. Drawing. Two hours credit. Snell. Prerequisite 4.

6. Drawing. Two hours credit. Snell. Prerequisite 5.

10. Instrumental Perspective. Two hours credit. Snell. Prerequisite 4, 5, 6 or equivalent.

13. Architectural Drawing. Two hours credit. Snell. Prerequisite 4, 5, and 6.

14. Archtectural Drawing. Two hours credit. Snell. Prerequisite 13.

15. Architectural Drawing. Two hours credit. Snell. Prerequisite 14.

ECONOMICS

11. Introduction to Economics. Three hours credit Miller.

12. Principles of Economics· Three hours credit, Miller. Prerequisite, Economics 11.

13. Current Economic Problems. Three hours credit. Miller.

31. Cooperative Marketing. (See Sociology 53.). Nelson.

61. Labor Problems. Three hours credit. Boyle.

93. Economic History of Agriculture. Three hours credit. Nelson.

EDUCATION

5. Educational Administration. (See Elementary Education). Three hours credit. Lambert.

50. Rural Education. Three hours credit. Merrill.

ELEMENTARY EDUCATION

5. School Organization and Administration. Three hours Credit. Lambert.

12. Elementary School Curriculum. Three hours credit. Lambert.

22. Hygiene and Sanitation. Three hours credit. Hayward.

PHILOSOPHY OF EDUCATION

74. Rural Sociology. Three hours credit. Nelson. (See Sociology 53.)

81. Science of Education. Four hours credit. Woodward.

86. History of Education. Three hours credit. Woodward.

SECONDARY EDUCATION

53. Organization and Administration. Three hours credit. A. N. Merrill.

55. Secondary Education in the United States. Four hours credit. Merrill.

ENGLISH

1. Rhetoric and Composition. Three hours credit. Thornton.

2. Rhetoric and Composition. Three hours credit Thornton. Continuation of course 1.

3. Rhetoric and Composition. Three hours credit. Thornton. Continuation of Course 2.

4. Business English. Three hours credit. Mrs. Roberts.

5. Newswriting. Three hours credit. Merrill.

11. Advanced English Grammar. Four hours credit. Jensen.

16x-17x. Survey of American Literature. Four hours credit. Mrs. Jensen.

20, 21, 22. Masterpieces of English Literature. Six hours credit. Mrs. Carroll.

21x, 22x, 23x. Survey of English Literature. Six hours credit. Mrs. Jensen.

44x. History and Development of the American Novel. Four hours credit. J. M. Jensen.

51. Feature Writing. Three hours credit. Merrill.

50x, 51x, 52x· Readings in World Literature. Six hours credit. Mrs. Jensen.

53x, 54x, 55x. Readings in World Literature. Six hours credit. Mrs. Jensen.

57. Short Story Writing. Four hours credit. Osmond.

58x. The Modern Short Story. Three hours credit. Mrs. Jensen.

65. Recent Drama. Three hours credit. Pardoe.

76x. Tennyson. Three hours credit. Mrs. Jensen.

86-1x. The Poetry of Robert Browning. Three hours credit. Mrs. Jensen.

86-2x. Continuation of 86-1x. Three hours credit. Mrs. Jensen.

FINANCE AND BANKING

51. Business Finance. Four hours credit. Clark.

52. Continuation of 51. Four hours credit. Clark.

53. Money and Banking. Four hours credit. Clark

54. Investments. Four hours credit. Clark.

GEOLOGY AND GEOGRAPHY

1. Survey Course. Four hours credit. Hansen.

30. Geography of Economic Products. Five hours credit. Hansen.

80. Human Geography. Three hours credit. Hansen.

HISTORY

1x. History of Modern Europe 1500-1680. Three hours credit. Snow.

2x. History of Modern Europe, 1689-1815. Continuation of course 1. Three hours credit. Snow.

3x. History of Modern Europe, 1815 to present time. Three hours credit. Snow.

18x or 51x. History of Civilization· Four hours credit. Snow.

20, 21, 22. American History. Nine hours credit. Jensen.

HOME ECONOMICS

10x· Elementary Nutrition. Two hours credit. Cannon

80. Household Administration. Three hours credit. Warnick.

MATHEMATICS

11· College Algebra. Five hours credit. Marshall.

12. Plane and Spherical Trigonometery. Five hours credit. Marshall.

50. Differential Calculus. Four hours credit. Hales.

GERMAN

13x. Directed German Reading. Three hours credit. Prerequisite, ten hours of German.

57x, 58x, 59x. Directed German Reading. Three hours credit for each course. Prerequisite, fifteen hours of German.

67x. German Composition. Three hours credit. Prerequisite, eighteen hours of German.

FRENCH

13x. Directed French Reading Three hours credit. Prerequisite, ten hours of French.

57x, 58x, 59x. Directed French Reading. Three hours credit for each course. Prerequisite, fifteen hours of French.

67x. French Composition. Three hours credit. Prerequisite, eighteen hours of French.

SPANISH

13x· Directed Spanish Reading. Three hours credit. Prerequisite, ten hours of Spanish.

57x, 58x, 59. Directed Spanish Reading. Three hours credit for each course. Prerequisite, fifteen hours of Spanish.

67x. Spanish Composition. Three hours credit. Prerequisite, eighteen hours of Spanish.

OFFICE PRACTICE

11-12. Gregg Shorthand. Eight hours credit. Mrs. Roberts.

31. Business English· Three hours credit. Mrs. Roberts.

PHYSICAL EDUCATION

77, 78, 79. Scoutcraft. (See Religious Education.) Six hours credit. Anderson.

PHYSICS

16. Descriptive Astronomy. Four hours credit. Poulson.

21. Elementary Educational Psychology. Four hours credit. Dusenberry.

74· Advanced Educational Psychology. Four hours credit. Poulson. Prerequisite, three hours of elementary psychology.

RELIGIOUS EDUCATION

3x. Church History. Two hours credit. Brimhall and assistant.

14. Genealogy. Two hours credit. Sudweeks.

19. Doctrine and Missionary Method. Two hours credit. Ivins.

20. History of Religious Propaganda. Two hours credit. Ivins.

21· Missionary Method. Two hours credit. Ivins.

77, 78, 79. Scout Leadership. Six hours credit. Anderson.

SOCIOLOGY

11-12 or 55-56. Elementary Principles of Sociology. Six hours credit. Nelson.

53. Rural Sociology. Three hours credit. Nelson.

SPEECH

1. **Public Speaking.** Three hours credit. Pardoe.

51. **Advanced Public Speaking.** Three hours credit. Pardoe.

72. **Theory of Play Production.** Three hours credit. Morley.

ZOOLOGY AND ENTOMOLOGY

20. **Health Education.** Three hours credit. Tanner.

32x. **Apiculture.** Three hours credit. Wakefield.

93. **Field Zoology.** Credit to be arranged. Tanner.

HIGH SCHOOL COURSES

ENGLISH

d. **A Study of the Types of Literature.** One unit credit. Mrs.Carroll.

GEOGRAPHY

a. **Economic Geography.** One unit credit Coffman.

MATHEMATICS

a. **High School Algebra.** One unit credit. Jensen.

b. **Plane Geometry.** One unit credit. Jensen.

c. **Second Course in Algebra.** One unit credit. Jensen.

d. **Solid Geometry.** One-half unit credit. Marshall.

Training Schools

AMOS N. MERRILL, **Acting Dean of College of Education**

EDGAR M. JENSEN, **Director, Training Schools**

GENERAL SUPERVISORS:

A. N. MERRILL, **Secondary Training.**
M. J. OLLORTON, **Higher Grades**
HERMESE PETERSON, **Intermediate Grades**
EMMA BROWN, **Primary Grades**

SECONDARY SCHOOL FACULTY

EDGAR M. JENSEN, **Principal**
C. LAVOIR JENSEN, **Junior H. S. Mathematics**
WM. F. HANSON, **Music**
W. ELMO COFFMAN, **Mathematics and Science**
HUGH. W. PETERSON, **Science**
STELLA P. RICH, **English**
MARGARET SWENSON, **Home Economics**
GLADYS D. BLACK, **English and Latin**
BILLIE HOLLINGSHEAD, **Social Science**
FRED DIXON, **Physical Education**
EDNA SNOW, **Biology**

ELEMENTARY SCHOOL FACULTY

HERMESE PETERSON, **Principal**
MAY C. HAMMOND
BARBARA MAUGHAN
GLADYS KOTTER
GEORGIA MAESER
HAZEL CLYDE
JENNIE CAMPBELL
THELMA LUDLOW

ORGANIZATION AND PURPOSE

The Training Schools are organized on a kindergarten 6-3-3 basis; viz: a kindergarten, an elementary division, a junior and a senior high school.

Students enrolled in the training schools have all the advantages of the University plant such as the use of the libraries, gymnasiums, laboratories, shops, athletic fields, auditorium, etc. These enlarged opportunities, with the advantages of expert teachers, make the training schools especially attractive and advantageous to students of elementary and high school age.

Provisions are made for promotions from grade to grade and from one division to another so that pupils may enter either the kindergarten or first grade and remain in continuous attendance until they are graduated from one of the colleges of the University. The educational welfare of the students is safeguarded by an enriched curriculum, in addition, provisions are made for moral and religious training every year the student is in attendance.

Pupils completing the first six grades are regularly promoted to the Junior High School. Here departmentalization begins permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements and towards graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

Students will be graduated from the Senior High School upon completion of twelve units of work in the Senior High School. These twelve units of work must be secured during three years attendance in Senior High School and must include all the constants prescribed for each year and the sequence of courses prescribed in one of the four curricula. Students graduating from the "General Course", which alone meets definitely the college entrance requirements, must present the following group requirements (1) English, 2 units, (2) a Principal Group of 3 or more units, (3) a Secondary Group of 2 or more units.

Students are required to take the regular courses in physical education during residence at this school. Students are released from this requirement only upon statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation; a maximum of one-half unit of credit may be counted toward graduation for these courses.

All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

HIGH SCHOOL ACTIVITIES

Under the direction of the regular teachers and the faculty committee, a full program of athletic and social affairs is provided for the junior and senior high school students.

The senior high school groups have regular social gatherings and recreational activities under faculty supervision and counsel. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a play or a musical program. The school is a member of the State High School Debating Association and the Utah High School Athletic Association. In addition to these opportunities for extra-curricular activity a regular High School Student Body organization is maintained with the various activities that naturally are sponsored by such organizations. The high school students have also the advantage of participation in the regular activities of the University student body life.

THE CURRICULA

Four curricula, or four groups of studies, are provided. As early as the ninth year and not later than the tenth year, pupils with the counsel of the parents and teachers, should make a choice of the group of studies (the curriculum) which they propose to pursue during the remaining years of high school study. This choice should be made with the definite intent of staying in that curriculum until graduation. Any marked deviation from recommended sequences in any given curriculum without very valid reasns will not be permitted. Transfer from one curriculum to another will delay graduation.

CREDIT

Those classes which require outside preparation which meet five days each week for full fifty minutes, and which continue for the full school year of 34 or 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit. The half-unit courses meet daily for half the year or two or three days each week with preparation, or meet daily with no outside preparation, and run throughout the year. There are no "quarters" in high school program as there are in the University.

Students who register late or who discontinue before the end of the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULUM

Junior High School

7th Grade

Subjects	Periods
English I	5
Geography	5
Mathematics I	5
Reading	2
Music	2
Sewing	2
Manual Training	2
Religion Class	2
Physical Education & Recreation	3

8th Grade

Subjects	Periods
English II	5
History	5
Mathematics II	5
General Science	3
Reading	2
Music	2
Cooking	2
Shop Work	2
Religion Class	2
Physical Education & Recreation	3

9th Grade

Subjects	Periods
English	5
Community Civics	3
Biology	5
Theology	2
Physical Education	3

Electives	Periods
French B	5
Plain Sewing	2

Elementary Drafting	5
Theory of Music	3
Elementary Typing*	5
Algebra	5
Foods or Woodwork	2
Music	2

*(Limited Registration.)

SENIOR HIGH SCHOOL

Constants (Required subjects in all Curricula. Students must register for these subjects.)

10th Grade	11th Grade	12th Grade
English B.—	English C.—	English D.—*
5 periods	3 periods	5 periods
Theology B.—	Theology C.—	Sociology &
2 Periods	2 periods	Economics
Physical Education	Physical Education	5 periods
		Theology D.—
		3 Periods

*Elective but highly recommended.

Curriculum Group Requirements

According to the curriculum or group of studies chosen to be followed by the student, the following are required subjects for graduation:

(1)

General Course

(Leads to College Entrance)
All Constants for the particular year 10th, 11th, or 12th.
Algebra—unless taken in 9th Grade, or
Plane Geometry

(3)

Agriculture and Mechanics

All Constants for the particular year
Agriculture
Shopwork
Physics or Chemistry (Preferably both)
Mechanical Drawing

American History or
European History
Physics or Chemistry

(2)
Home-Making

All Constants for the particular year.
Foods and Cooking
Plain Sewing
Dressmaking
Home Making
Chemistry
Art

(4)
Business

All Constants for the particular year
Accounting A
Accounting B
Shorthand
Typewriting
Commercial Arithmetic—if not taken in the 9th year

Note: Curricula 2, 3, 4, will satisfy all requirements for graduation from the Senior High School. They may not meet College Entrance requirements; curriculum 1 meets College Entrance requirements.

Electives: Courses required in any curriculum group are open as electives to all other Senior High School students who have already met the Constants requirements.

A recommended sequence of subjects in the general course, or Curriculum (1), is as follows:

9th Year	Periods	10th Year	Periods
English A	5	English B	5
Algebra	5	Geom. or Algebra	5
Biology	5	Theology B	3
Theology A	2	Physical Ed.	3
Physical Ed.	3	History	5
		Elective	2-5
		Botany	5

11th Year	Periods	12th Year	Periods
English C	5	English D	5
Theology C	3	Theology D	3
Physical Ed.	3	Prob. Democ. or Civics	5

Physics or Geom.	5	Physics or Chem.	5
Am. or Europ. Hist.	5	Physical Ed.	3
Elective	2-5	Elective	3-5
Botany	5	Botany	5

SENIOR HIGH SCHOOL COURSES

Subject	Days	Classification	Year Taken	Credit
Grammar and Liter.	5	Constant	10th	1 unit
Composition Liter. and Grammar	5	Constant Constant	11th 12th	1 unit 1 unit
Literature	5	Elective	10 to 12	1 unit
Dram. Art	5	Elective	10 to 12	½ unit
Pub. Speak.	3	Elective	9 to 12	1 unit
French A	5	Elective	10 to 12	1 unit
Latin A	5	Gen. Course	10 to 11	1 unit
Spanish				
European History	5	Gen Course	10 to 11	1 unit
Botany	5	Second Semester		½ unit
Am. History	5	Constant	12th	1 unit
Problems of Democracy	5	Gen. Course	9 to 12	1 unit
Algebra	5	Gen. Course	10 to 11	1 unit
Geometry	5	Several	10 to 12	1 unit
Physics	5	Several	12	1 unit
Chemistry	5	Gen. Course	10 to 12	1 unit
Geography	5			
Physiology and Hygiene	3	Elective	10th	½ unit
Foods and Cooking	5	Homemaking	10 to 12	1 unit
Homemaking	2	Homemaking	11 to 12	½ unit
Plain Sewing	2	Homemaking	9 to 12	½ unit
Dressmaking	5	Homemaking	10 to 12	½ unit
Theory of Music	3	Elective	9 to 12	½ unit
Chorus	4	Elective	10 to 12	¼ unit
Orchestra	5	Elective	10 to 12	½ unit
Art	2	Elective	10 to 12	½ unit

El. Accounting	5	Business	10 to 12	1 unit
Adv. Accounting	5	Business	11 to 12	1 unit
El. Typewriting	5	Business	9 to 12	1 unit
Adv. Typewriting	5	Business	10 to 12	1 unit
Shorthand	5	Business	11 to 12	1 unit
Theology	3	Constant	10	½ unit
Theology	3	Constant	11	½ unit
Theology	3	Constant	12	½ unit
Physical Ed. Girls		Constant	9 to 12	
Physical Ed. Boys		Agr. & Mech.	9 to 12	½ unit
Woodwork A. B.	5	Constant	9 to 12	
Drafting A. B.	5	Agr. & Mech.	10 to 12	½ unit
Auto Mechanics	5	Agr. & Mech.	9 to 12	½ unit

Graduates 1931-32

MASTER DEGREES:

Master of Arts

BROWN, ALMON L. D. .... Ogden
A. B. Degree, University of Utah, 1930.
Major: Zoology and Entomology.
Title of Thesis—A systematical and Morphological Study of the Carabid Genus Brachinus of the United States.

CLARKE, JOHN L. .... American Fork
A. B. Degree, Brigham Young University, 1931.
Major: Political Sicence.
Title of Thesis—The Consstitutional Doctrines of Mr. Justice George Sutherland.

DAVIS, OWEN M. .... Provo
A. B. Degree, Brigham Young University, 1932.
Major: Zoology and Entomology.
Title of Thesis—A Preliminary Systematic Study of Utah Noctuids.

HATTON, S. ROSS .... Provo
A. B. Degree, Brigham Young University, 1931.
Major: Zoology and Entomology.
Title of Thesis—The Fish Fauna of Utah Lake.

MEILING, BESSIE IVERSON .... Provo
A. B. Degree, Brigham Young University, 1929.
Major: Educational Administration.
Title of Thesis—Amounts of Athletic Activity Engaged in by Women College Students and by Women College Graduates of Brigham Young University.

ROBERTSON, LEROY J. .... Provo
A. B. Degree, Brigham Young University, 1932.
Major: Music.
Title of Thesis—Instrumental Combinations and Their Relation to Music.

SMITH, JULINA .... Salt Lake City
A. B. Degree, Brigham Young University, 1931.
Major: History.

Title of Thesis—A Discussion of the Interrelations of the Latter-day Saints and the American Indians.

Master of Science

ALLRED, ELWOOD B. .... Escalante
B. S. Degree, Brigham Young University, 1927.
Major: Religious Education.
Title of Thesis—A Study of the Religious Attitudes and Concepts of the People of Escalante, Utah, from 1876 to 1930.

BATEMAN, HAROLD CLAUDE .... Logan
B. S. Degree, Utah State Agricultural College, 1925.
Major: Sociology.
Title of Thesis—The Standard of Living of Rural Families of Clifton, Idaho, as Measured by the Cost of Living.

COFFMAN, ELMO .... Springville
B. S. Degree, Utah State Agricultural College, 1920.
Major: Geology.
Title of Thesis—A Progress Report of Metals in Utah.

CURTIS, LAVAUN B. .... Lowell, Arizona
B. S. Degree, Brigham Young University, 1929.
Major: Zoology and Entomology.
Title of Thesis—A Preliminary Study of Utah Membracidae.

FREI, NEWELL R. .... Santa Clara
B. S. Degree, Brigham Young University, 1928.
Major: History.
Title of Thesis—History of Pioneering on Shoal Creek.

JARVIS, JOSEPH S. .... Springville
B. S. Degree, Brigham Young University, 1922.
Major: Educational Administration.
Title of Thesis—Trends in Public Expenditures of Money for Roads and for Public Schools in Utah County During the Ten Years 1920—1930.

LOHMOELDER, RUTH P. .... Provo
B. S. Degree, Detroit Teachers College, 1930.
Major: Educatonal Administration.
Title of Thesis—A Study of the Uses Made of the School Auditoriums in Utah County, Utah.

MARLER, GEORGE D. .... Thornton, Idaho
B. S. Degree, Brigham Young University, 1927.
Major: Zoology and Entomology.

Title of Thesis—A Systematical and Distributional Study of the Fringillidae of Utah.

MAUGHAN, LUCILE ....Lava Hot Springs, Idaho
B. S. Degree, Brigham Young University, 1931.
Major: Zoology and Entomology.
Title of Thesis—A Systematical and Morphological Study of Great Basin Bombyliidae.

SMITH, MORONI W. .... Hyrum
B. S. Degree, Utah State Agricultural College, 1922.
Major: Religious Education.
Title of Thesis—A Preliminary Study in the Primitive Outcroppings in the Old Testament.

SWALLOW, O. TRUMAN .... Meadow
B. S. Degree, Brigham Young University, 1932.
Major: Zoology and Entomology.
Title of Thesis—A Preliminary Limnological Study of Utah Lake.

BACHELOR DEGREES:

COLLEGE OF APPLIED SCIENCE

A. B. Degree

Call, Gaius G.	Colonia Dublan, Chih., Mexico
Clayton, Maxine	Midvale, Utah

A. B. Degree

Alleman, Helen	Springville
Anderson, Maud	Manti
Baker, Shirley D,	Beaver
Braithwaite, Ethylene Potter	Bancroft, Idaho
Brown, Myrtle G.	Ogden
Bryner, LaPreal	Helper
Carlston, Mildred	Fairview
Decker, Jesse Smith	Snowflake, Arizona
Dotson, Edme H.	Coalville
Gourley, Gertrude	Pleasant Grove
Haws, Ora	Provo
Johnson, Afton Ardell	Provo
Johnson, Paul Marvin	Provo
Johnson, Vearl S.	Provo
Knudsen, Hilda L.	Provo
Ludwigson, Emma	Pleasant Grove
Miller, Karl A.	Salt Lake City
Nicholson, Harry	Provo

Oaks, LeRoy	South Montpelier, Idaho
Strickler, Beulah	Ogden
Whatcott, H. Devello	Provo
Wheelwright, Annie L.	Ogden
Wing, Mariam D.	American Fork
Wright, James E.	Hinckley
Wright, Vesta	Idaho Falls, Idaho

COLLEGE OF ARTS AND SCIENCES

A. B. Degree

Anderson, Reese H.	Springville
Barker, Ellen	Ogden
Beniams, Herman N.	Provo
Cottam, Howard R.	Provo
Cowley, Angus Wayne	Venice
Davis, Owen M.	Provo
Deuel, Myrtel	Richfield
Dixon, Verl G.	Provo
Ellsworth, Helen	Provo
Eyring, Rose	Pima, Arizona
Hansen, Leland A.	Richfield
Hasler, Arthur D.	Provo
Hicks, Eliza Mae	Safford, Arizona
Hodson, Waldo G.	Provo
Hutchings, Imri Joseph	Midvale
Jacobs, Rigby	Ogden
Johnson, Kent W.	Provo
King, Gertrude	Grace, Idaho
Larsen, Zelda	American Fork
Maw, Florence	Provo
Morgan, Wendell A.	Provo
Nelson, Gwendolyn	Provo
Nielsen, Jean C.	Idaho Falls, Idaho
Paxman, W. Rulon	Provo
Schofield, Pauline	Hiko, Nevada
Smith, Ervine F.	Pleasant Grove
Smuin, Carma L.	Ogden
Waldram, Marie	Sugar City, Idaho
Watson, Henry R.	Ogden
Westwood, James B.	Provo
Whetten, Lester B.	Provo
Winterton, Zelma E.	Provo

B. S. Degree

Aldrich, Edith May	Mt. Pleasant
Clarke, Robert A.	American Fork
Condon, David de Lancey	Provo

Cullimore, Owen S.	Pleasant Grove
Culmsee, Carlton	Nada
Dean, Elva Crosbie	Provo
Dickson, Mildred	Morgan
Hardy, Horace H.	Spanish Fork
Hetigg, Tubou M.	Tonga, Friendly Is.
Hoover, Dorothy L.	Park City
Johnson, Louis A.	Mapleton
Johnson, Ruth I.	Provo
Johnson, Vard H.	Pleasant Grove
Jones, I. Irene	Logan
Magleby, McRay	Monroe
Olpin, Lawrence Dee	Pleasant Grove
Prince, Cleament	Gooding, Idaho
Prince, Fenton J.	Gooding, Idaho
Richardon, Vernon L.	Thatcher, Arizona
Robertson, Herbert A.	Spanish Fork
Sheppard, George L.	Pima, Arizona
Skousen, Marvin	Chandler, Arizona
Spafford, Louise	Provo
Swallow, Truman	Meadow
Wells, Claire	Lehi

COLLEGE OF COMMERCE

A. B. Degree

Evans, Fred B.	Provo
Mangum, Max K.	Provo
Nielson, Loya	Springville

B. S. Degree

Barton, Harold	Blanding
Brown, Don H.	Manti
Bullock, Bert K.	Provo
Cornaby, Sterling	Spanish Fork
Cragun, Frank	Provo
Dastrup, Elmer J.	Richfield
Durrant, L. Dean	Provo
Garrett, J. Raymond	Nephi
Hadley, Lloyd T.	Ogden
Harding, Curtis P.	Payson
Hoover, Bliss	Provo
Jex, William Reed	Spanish Fork
Kelly, Howard G.	St. Anthony, Idaho
Larsen, J. Elmo	Provo
Lewis, William Crismon	Salt Lake City

McBride, Orlando S.	Thatcher, Arizona
Matthews, Elmer R.	Brigham City
Peters, Elmo C.	American Fork
Rasband, Irving K.	Heber City
Rasmussen, S. Boyd	Richfield
Speckart, Frank R.	Provo
Toone, S. Clifford	Gooding, Idaho
Toone, Theodore P.	Gooding, Idaho
Tregeagle, Delbert Van	Provo
Vincent, C. Glen	Provo
Washburn, Barr V.	Provo
Weight, Reed L.	Provo
Whitaker, Warren S.	Provo
Wood, Reed A.	Holden

COLLEGE OF EDUCATION

A. B. Degree

Boberg, Lowell	Draper
Carson, Velda R.	Lehi
Haddock, Grove	Bloomington, Idaho
Johnson, Vola Mary	Pleasant Grove
Kartchner, Virgil D.	Pomerene, Arizona
Murdock, Ezra A.	Sugar City, Idaho
Tanner, Orea Bean	Rexburg, Idaho
Watts, J. Clayton	Gunnison

B. S. Degree

Adamson, Lloyd B.	American Fork
Allen, Melba Kate	Goshen
Anderson, Lawrence E.	Manti
Ash, Cecil L.	Lehi
Beardall, Anna	Springville
Berrey, Alfonzo G.	Montpelier, Idaho
Christensen, Maurine L.	American Fork
Eldredge, Wilma L.	Salt Lake City
Halliday, Nina	American Fork
Jenkins, Hyrum	Salt Lake City
Jensen, Joel P.	Ephraim
Killpack, Theron W.	Provo
Lyman, Willis J.	Oak City
Merrill, Sarah Lucile	Provo
Meservy, Joseph Robert	St. Anthony, Idaho
Miner, Orson L.	Fairview
Neilson, LaRue Inez	Provo
Osmond, Marcia M.	Provo
Poulter, Lamont	Price

Rasmussen, Irene	Fillmore
Reid, Dortha	Provo
Seegmiller, Keith L.	St. George
Serpa, Richard	Twin Falls, Idaho
Sheffield, Donald H.	Brigham City
Strauser, Ethel M.	Sullivan, Missouri
Thorpe, Charles Christy	Axtell
Wilhite, Ada Laverna	Buhl, Idaho
Willardson, George C.	Ephraim
Wittwer, Reed	Santa Clara

COLLEGE OF FINE ARTS

A. B. Degree

Ashby, Mary E.	American Fork
Basinger, Walter	Missler, Kansas
Bennett, Pauline	Provo
Clinger, Morris M.	Provo
Collett, Farrell R.	Bennington, Idaho
Fjeld, Allan E.	Lehi
Garfield, Zoie	Draper
Hamblin, Clara	St. Johns, Arizona
Jeppesen, Rhodes	Provo
Larsen, A. Bardell	Mt. Pleasant
Nelson, Boyd	Pleasant Grove
Nielson, Exilda	Monroe
Robertson, LeRoy J.	Provo
Snow, Claude Shipley	Provo
Webb, Glenn	Lehi
Wentz, Monta	Provo

B. S. Degree

Busch, Oscar J.	Mancos, Colo.
Christensen, Morris	Driggs, Idaho
Fletcher, Floyd E.	Vernal
Kuhni, Paul	Collinston
Omanson, John A.	Provo
Peterson, Raymond F.	Pleasant Grove
Storrs, Betha	American Fork

NORMAL DIPLOMA

Ashcraft, LaVon	Springville
Averett, Fay	Springville
Balle, H. Reed	Glenwood
Bassett, June	Delta

Behrmann, Jane	Vernal
Bench, Leonora	Fairview
Bennett, Barta	Holden
Bigelow, Myrtle	Provo
Boyack, Thelma	Idaho Falls, Idaho
Brady, Louise	Castle Dale
Brockbank, Ila	Provo
Christiansen, Mildred	Pleasant Grove
Conover, Ada	Ferron
Cowan, Alburta	Nephi
Cullimore, Bernice	Pleasant Grove
Davies, Ramona	Provo
Dixon, Ruby	Provo
Duke, Enid	Heber
Duke, Lola	Heber
Edwards, Alice	Charleston
Ence, Melba	Richfield
England, Dorothy	Tooele
Fausett, Flora	Price
Finlinson, Virginia	Leamington
Garfield, Leona	Tremonton
Garfield, Wanda	Tremonton
Hales, Thora T.	Pleasant Grove
Huish, Carol	Payson
Hurst, Lillian	Provo
Jacobson, Helen B.	Richfield
Jensen, Della M.	Spanish Fork
Jensen, Edna	Ferron
Jensen, Zola	Castle Dale
Johnson, Rachel	Springville
Johnson, Stella I.	Richfield, Idaho
Jorgensen, Vivian	American Fork
Judd, Eva Lina	Idaho Falls, Idaho
Liddle, Vadis	Payson
Luke, Rosella	Junction
Moore, Anna Marie	Payson
Neilson, Mona	Provo
Nelson, Vivian	Redmond
Nielson, Faughn	Price
Page, Bernice	Riverton
Page, Eileen	Goshen
Parker, Grace	American Fork
Phillips, Eileen	American Fork
Phillips, Gene Y.	Brigham City
Reece, Helen R.	Payson
Rich, Beth	Paris, Idaho
Roberts, Margaret L.	Spanish Fork
Roberts, Reva	American Fork
Robinson, Fern	American Fork

Robison, Alpha	Baker, Nevada
Schofield, Josephine	Hiko, Nevada
Seastrand, Selma	American Fork
Shelley, Ethel	American Fork
Simpson, Lois	Heber
Smith, Julia O.	Ogden
Smith, Norma	Payson
Sorenson, Dortha	Ruth, Nevada
Spencer, Berdene	Escalante
Stevenson, Ilah	Springville
Stevenson, Libbie	Mohrland
Tolboe, Lois	Provo
Wadley, Lucile	Pleasant Grove
Walker, Della	Peoa
Walker, Verle	Peoa
White, Faye	Payson
Youd, Stella	Spanish Fork
Young, Sarah	Provo

GRADUATES WITH HIGH HONORS

Lloyd B. Adamson
Helen Alleman
Robert A. Clarke
Carlton Culmsee
Rose Eyring
Ora Haws
Florence Maw
Orea B. Tanner
Lester B. Whetten
Zelma Winterton

GRADUATES WITH HONORS

Herman N. Beniams
Maxine Clayton
David D. Condon
Helen Ellsworth
Lucile Merrill
Pauline Schofield
Ervine Smith
Marie Waldram
J. Clayton Watts
Monta Wentz

Enrollment of Students

1931-32

In the following list "a" stands for arts and sciences; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "s" for summer scool; "G" for Graduate; "S" for Senior; "J" for Junior; "So" for Sophomore; "F" for Freshman; "Un" for unmatriculated; and "Sp" for special.

Aagard, Burnell, c-S .... Provo
Aagard, Hazel, ss .... Provo
Abel, John F., a-F, American Fork
Abbott, Ernest C., c-J ...... Provo
Acord, Irma, e-F .... Provo
Acord, L. Earl .... Castle Gate
Acord, Ray O., fa-F .... Price
Adams, Daniel S., ss .... Grantsville
Adams, Delilah B., Sp .... Provo
Adams, Harlen M., ss ...... Provo
Adams, John H., a-F .... Provo
Adams, Phyllis, ss .... Provo
Adamson, Lloyd B., ss-Sp. .... American Fork
Adamson, Zelma, sp. .... Provo
Alder, Don M., c-F .... Provo
Aldrich, Edith May, a-S-ss .... Mt. Pleasant
Allan, Blaine W., ep-F ...... Salem
Allan, Verna B., s-So .. Springville
Alleman, Harold, ss .... Springville
Alleman, Helen, ap-S ... Springville
Alleman, Julia D. ss .... Springville
Alleman, Ray S., a-J .... Springville
Allen C. Clinton, e-So ...... Goshen
Allen, Genevieve M., Sp .... Provo
Allen, Joseph K., c-S ...... Provo
Allen, Lorna B., G .... Provo
Allen, Mark K., G .... Provo
Allen, Melba K., e-J-ss .... Goshen
Allen, Ruth, Sp .... Provo
Allen, Ruth, Sp .... Panguitch
Alexander, LaRay, c-F ... Sp. Fork
Alexander, Payton H., ss, Gunnison
Allred, A. Genile, e-J .. Spring City
Allred, Carl, e-F .... Monticello
Allred, David H., ep-So .... Raymond, Alberta, Canada
Allred, Elwood B., ss-Sp . Escalante
Allred, Moreho V., ap-F ..... Lehi
Allred, Theras O., ss .... Provo
Allred, Theras Q., fa-So ...... Provo
Allred, Vance, Sp .... Ephraim
Andelin, Lavell D., Sp. ...... Provo
Amaru, WiPere K., a-So-ss ....Tolaga Bay, New Zeland
Anderson, Ada, ss .... Provo
Anderson, Afton, a-So ...... Magna
Anderson, ArVilla G., ss .. Esclante
Anderson, Bert, c-F .... Provo
Anderson, Dean A., c-J ...... Provo
Anderson, DuAne P., a-So . Gunnison
Anderson, Elliott M., c-J .. Manti
Anderson, Elva, Sp .... Provo
Anderson, Emma G., sss . Am. Fork
Anderson, Erma, Sp ...... Fillmore
Anderson, Erma, Sp .... Provo
Anderson, Francis M., a-F .... American Fork
Anderson, Jennie, ss .... Provo
Anderson, Kenneth G., ss .. Ephraim
Anderson, Lawrence E., e-S .. Manti
Anderson, Leland E., ss .... Mamti
Anderson, Leo V., ap-F ...... Lehi
Anderson, Maud, ap-S ...... Manti
Anderson, Merle, e-J .... Provo
Anderson, Paul S., c-F .... Emery
Anderson, Reese H., a-S . Springville
Anderson, Rulon D., a-F .. Oak City
Anderson, Victor C., ss ...... Provo
Andreasen, Juel L., a-J ...... Provo
Andrew, Leo G., a-So .... LaGrande, Oregon
Argyle, Afton, a-S ... Spanish Fork
Armstrong, Harold, a-So .... Ogden
Armstrong, Roger C., ss .. Ephraim
Ash, Cecil L., ss-Sp .... Lehi
Ashby, George M., a-So..Leamington
Ashby, Mary, fa-S .. American Fork
Ashby, R. Morrell, a-So.. Am. Fork
Ashby, Orran T., a-F .. Leamington
Ashcraft, LaVon, e-So .. Springville
Ashton, Ruth, e-So .... Provo
Ashworth, Elizabeth, ap-J .... Provo
Astin, Merle L., ss .. Salt Lake City
Averett, Fay, e-So ...... Springville
Aycock, T. Edward, c— .... Vernal

Bailey, Harold, c-J .... Provo
Baker, Elise W., ss .... Magna
Baker, Shirley D., ap-S .... Beaver
Ball, Uarda, ap-So .... Idaho Falls, Idaho
Ball, Wilburn N., ap-So .... Lehi
Ballard, O. Duane, c-F .... Draper
Balle, H. Reed, e-So .... Glenwood
Ballif, Ariel S., ss .. Menan, Idaho
Ballif, Carma, G-ss .. Preston Idaho
Ballif, Eva, a-J-ss .. Preston, Idaho
Banks, C. Mae, c-F .... Provo
Barker, Ellen, a-S .... North Ogden
Barnes, J. Ralph, e-F .... Nephi
Barnett, Shirley B., c-So .... Payson
Barraclough, Don A. r-J ... Beaver
Barrus, Fern, fa-J . Sugar City, Ida.
Barton, Harold, C-S ...... Blanding
Barton, Marie M., ss .. Mt. Pleasant
Barton, Mary Ann, e-Un ..Elko, Nev.
Basinger, Kenneth P., a-F .... Missler, Kansas
Basinger, Walter, fa-S .... Missler, Kansas
Bassett, June, e-So .... Delta
Bastian, J. Rulon, ss .... St. George
Batchelor, Joie, c-J-ss ...... Provo
Bateman, Harold C., ss-Sp .. Logan
Bateman, Horald M., fa-So. Midvale
Batty, J. Vance, e-F .... Walsburg
Baxter, Edna D., Sp .... Provo
Baxter, Elwood, ss ...... Pl. Grove
Bay, Elmo V., c-F ...... Richfield
Bayles, Carol, a-F .... Blanding
Bayles, Mary, ap-So .... Blanding
Bayles, Wesley L., a-So .. Blanding
Bayles, Weston L., c-S .... Blanding
Beal, Beth, C-So ...... Moore, Idaho
Bean, Clara B., ss .... Payson
Bean, Helen, ss .... Payson
Beard, Joseph E., ss ...... Wanship
Beardoll, Anna, e-S-ss .. Springville
Beardall, Naomi, Sp ... Springville
Beck, Clayton J., ss ...... Ephraim
Beck, Jay V., a-J ...... Am. Fork
Beck, Nelda, ss .... Nephi
Beck, Vera M., e-F ...... Sp. Fork
Beckerman, Verda S., e-F .... Los Vegas, Nevada
Bee, Florence, Sp .... Provo
Behrmann, Jane, e-So ...... Vernal
Belnap, Aldythe, ss .. Almo, Idaho
Belnap, Ida L., ss ... Almo, Idaho
Bench, Leonora, e-So .... Fairview
Bench, Rees E., ss .... Provo
Benedict, Helen J., ss ...... Levan
Beniams, Herman N., t-S-ss .. Provo
Bennett, Barta, Sp-ss ...... Holden
Bennett, Erma, ss .... Provo
Bennett, John A., ss ...... Deseret
Bennett, Lowell, e-J ...... Meadow
Bennett, May, ap-F .... Provo
Bennett, Pauline, fe-S-ss .... Provo
Bennion, Milton L., ss ...... Sandy
Benson, Carmen, c-F .. Preston, Ida.
Benson, Sergene, G .... Logan
Bentley, LeRoi, ss .... Tooele
Berlin, Jean, ss .... Huntsville
Berrett, Edward H., ss .. Menan, Ida.
Berrey, Alfonzo G., ss-Sp .... Montpelier, Idaho
Berry, Wilmont E., a-F .... Provo
Bertotti, George, a-F . Oakland, Cali.
Best, Stanley E., ss . Salt Lake City
Bethers, Hazel, e— .... Heber
Biddulph, Floyd, a-J .... Provo
Biddulph, Lowell G., ss ...... Provo
Biddulph, Ruth H., ss . Rexburg, Ida.
Bigelow, Margaret M., Sp-ss .. Provo
Bigelow, Myrtle, e-So ...... Provo
Bigelow, Percival P., Sp-ss .. Provo
Bill, John R., a-So .... Am. Fork
Bingham, Klara, fa-F .... Sp. Fork
Binns, Margaret E., ap-J . Am. Fork
Birch, Ada E., ss .... Provo
Birch, Virginia, a-F ...... Provo
Bird, Helen, e-F .... Am. Fork
Bird, Josephine, ss .... Provo
Bird, K. Leon, c-J ...... Springvile
Bird, Margaret Ann, G.. Springville
Bird, Margaret, fa-F .. Springville
Bird, Marcell W., fa-F .. Springville
Birk, Thornton A., a-F . Am. Fork
Bishop, Duane L, a-So ...... Delta
Bishop, Grant H., a-So ...... Delta
Bissell, Harold J., a-So .. Springville
Bjerregaard, Eliza M., G .... Provo
Bjerregaard, George W., c-F. Provo
Black, U. Thomson, ss .... Deseret
Black, Glen, e-F .... Ferron
Black, Joy, c-F .... Fillmore
Black, W. Shirl, ap-F .... Provo
Blackburn, Mildred M., e-F .... Gooding, Idaho
Blacker, K. K., ss .... Murray
Blackham, C. Hannah, ss .... Moroni, Utah
Blackwell, Harry, m-So ....Pleasant Grove
Blight, Alexander, ss ...... Eureka
Bluth, Viva S., ss .... Colonia Juarez, Chih., Mexico
Boberg, Lowell J., e-S ...... Draper
Bodily, Theora, ap-F .... Preston, Idaho
Bodine, Harry L., e-F .... Evanston, Wyoming
Bone, George, a-F .... Lehi
Bonnett, Mae, Sp .... Provo
Bonomo, Fred C., c-F .... Price
Booth, Wilson, a-F .... Provo
Bosh, Merie A., ss .... Levan

Boucher, Orion G., fa-F .... Magna
Bounous, Cester C., ap-So .. Provo
Bowen, Allie, e-J .... Spanish Fork
Bowen, Shirley, a-F .. Spanish Fork
Bowen, Wendell M., c-F ...... Spanish Fork
Bower, Bernice G., Sp ...... Provo
Bower, Helen L., a-F .... Provo
Bowles, Virginia, e-F .... Nephi
Bown, Max D., a-F .... Provo
Boyack, Archie R., ss .... Lovell, Wyoming
Boyack, Clifton D., a-F ...... Delta
Boyack, David R., c-So .... Spanish Fork
Boyack, Hazel N., ss .... Lovell, Wyoming
Boyack, Thelma, ss .. Spanish Fork
Boyce, Paul, a-F .... Provo
Boyden, Bess, Sp .... Provo
Boyer, Fern, a-F ...... Springville
Boyer, Helen, a-J ...... Springville
Boyer, Louise, a-F .... Provo
Boyle, Clarence S., G .... Provo
Boyle, Elfie B., Sp .... Provo
Bradford Reed H., a-So .... Spanish Fork
Brady, Louise, e-So .... Castle Dale
Brady, Stanley, ss .... Fairview
Braithwaite, Ethylene P., ap-S .. Bancroft, Idaho
Braithwaite, Lola R., e-J-ss .... Arco, Idaho
Bramwell, Wendell, c-J-ss ...... Ogden, Utah
Brand, Clarabelle, e-F .. Chicago, Ill.
Braun, Gordon E., a-J ...... Ogden
Brasher, Kirk, ap-F ... Huntington
Breinholt, Harden W., c-J ... Manti
Breinholt, Herbert C., Sp .. Provo
Brewer, J. Harold, e-F .... St. Charles, Idaho
Brian, D. Fount, ss .... Loa
Brimhall, Sina, c-S .... Provo
Bringhurst, Carma, e-J .... Lovell, Wyoming
Brinley, Eldon, sss .. Pleasant Grove
Britsch, Ralph A., a-J ...... Manti
Broadbent, Berne P., ss ...... Thatcher, Ariz.
Broadbent, Leah, ss .... Heber City
Broadbent, Marden, ap-So .... Heber City
Broadbent, Mary, c-F .. Heber City
Brockbank, Ila, e-J .... Provo
Brockbank, Mark J., a-J .... Spanish Fork
Brown, Almon L. D., G .... Ogden
Brown, Don H., c-S .... Manti
Brown, Evelyn, G. .... Manti
Brown, Henry D., a-Un .... Provo
Brown, Jack T., fa-F ...... Manti
Brown, Joseph L., ap?S ...... Grantsville
Brown, H. Kenneth, a-J .... Ogden
Brown, Lisle G., e-F ...... Provo
Brown, Lawrence A., a-Un .. Provo
Brown, Mary, ap-So .... Grantsville
Brown Maurine, fa-F .... Provo
Brown, Milton, T., a-J ...... Ogden
Brown Myrtle G., ss-Sp .... Ogden
Brown, F. Ray, a-J .... Provo
Brown, Roy J., a-F .... Provo
Brown, Ruth, fa-So .... Provo
Brown, Spencer J., ss ...... Provo
Brown, Virge N., a-So .. Annabella
Brown, Virginia, ss .. Salt Lake City
Brugger, Gwen a-So .... Venice
Brunt, Clarice, a-So .... Idaho Falls, Idaho
Bryner, F. LaPreal, ap-S .. Helper
Buchanan, Ray, fa-So ... Richfield
Buckley, Helen, a-F .. Salt Lake City
Buckley, Margaret L., c-F .. Provo
Budge, Newell R., G. .. Paris, Idaho
Budge, Taft P., a-F .. Paris, Idaho
Buehler, J. Clyde, c-J ..... Ogden
Bullock, Bert K., c-S .... Provo
Bullock, Dean O., ap-J .... Pleasant Grove
Bunderson, Leila V., fa-So . Emery
Bunker, Ardyce, ss .... Bunkerville, Nev.
Bunker,E. Carlyle, c-J ...... Provo
Bunker, S. Bertell, c-J ...... Provo
Bunnell, Elvin W., a-So .... Provo
Bunnell, Stephen R., a-J .... Spring City
Bunten, Glenn, a-F .... American Fork
Burt, Taylor C., a-F ... Springville
Burton, Blanche, Sp .... Nephi
Butt, Ethel C., G .... Provo
Buttle, Grant, c-J .... Provo
Busch, Oscar, Sp .... Mancos, Colo.

Calder, Helen, ap-F .... Vernal
Calder, Howard B., c-So .... Vernal
Calderwood, Ray G., Sp .... Provo
Calderwood, Wm. Earl, ss .... Henefer
Call, Gaius D., ap-S .... Colonia Dublan, Chih., Mexico
Call, Helena, ap-So..Pocatello, Idaho
Callahan, Wm. Guy, a-F .... Provo
Campbell, Orson D., ss ...... Provo
Cannon, Anthon S., ss .. Farmington
Cardell, Hannah J., ss ...... Provo
Carlston, Mildred, ss-Sp .. Fairview
Carlston, Gus, a-So .... Murray
Carr, Calvin B., Sp .... Provo

Carr, William C. e-So .... Auckland, New Zealand
Carrigan, James W., a-J .. Peterson
Carroll, Charles, a-J .... Provo
Carroll, Elsie C., G-ss ...... Provo
Carson, Velda R., e-S .... Lehi
Carter, Allan J., a-So ...... Helper
Carter, Elden Sp .... Spanish Fork
Carter Kenneth S., a-F ...... Provo
Cartwright, Alfred, ap-F .... Beaver
Cartwright, Aubra, a-So ... Beaver
Catmull, Grant L., a-F .... Rupert, Idaho
Chadwick, Earl S., ap-F .... American Fork
Chadwick, Effie M., ss ...... Yost
Chadwick, Wayne E., c-J .... American Fork
Chambers, Don F., a-So ..... Ogden
Chambers, Lee H., a-So .... Spanish Fork
Chandler, Jesse, a-S .... Phoenix, Ariz
Chapple, Virginia, a-F..Spanish Fork
Cheney, Silas L., ss .... Kamas
Childs, Chauncey H., ss..Springville
Childs, Gilbert E., Sp ...... Provo
Childs, Myrtle ss .... Springville
Chipman, D. LuZell, c-J .... American Fork
Chipman, Mildred, e-F .... American Fork
Chipman, Ora H., ss . American Fork
Christensen, W. Blake, a-F....Price
Christensen, Cleopha E., ss..Moroni
Christensen, Clyde N., a-F....Provo
Christensen, Hanna R. ss..Ephraim
Christensen, Helen, a-So .... Provo
Christensen, Ida B., ss .. Richfield
Christensen, Inez, e-So ...... Salem
Christensen Ione, Sp .... Redmond
Christensen, Louis W., ss .... Bloomington, Idaho
Christensen, Maurine L., e-S .... American Fork
Christensen, Melda M., e-J .... Hinckley
Christensen, W. Morris fa-S .. .. Driggs, Idaho
Christensen, Wilford W., G...Price
Christiansen, Mildred, e-So .... Pleasant Grove
Clark, Arvilla, ss .. Pleasant Grove
Clarke, Bertha E., e-F .... American Fork
Clark, Gean, a-J .... Provo
Clark, Heber D., ss ...... Bountiful
Clarke, John L., G .. American Fork
Clark, J. Kyle, a-So ...... Provo
Clark, Lucius, ss..Idaho Falls, Idaho
Clark, Mary, e-F .... Brigham City
Clark, Reed Q., a-S-ss..Mt. Pleasant
Clark, Riley G., a-So .... Provo
Clarke, Robert A., a-S .... American Fork
Clarke, Thomas P., a-So-ss..... ...... Tolaga Bay, New Zealand
Clark, Ward S., c-J..Pleasant Grove
Clawson, Charles L., ss .... Ramah, New Mexico
Clayson, Ann, e-F .. American Fork
Clayson, Merrill D., ss .... Salt Lake City
Clayton, Dorothy V., ap-So...Provo
Clayton, Maxine S., ap-S...Midvale
Clinger, Morris M., fa-S-ss..Provo
Cluff, Pauleen, e-J ...... Charlston
Cochran, Zola L., Sp ...... Provo
Coffman, Wm. Elmo, G-ss .... Springville
Coleman Aline, a-J-ss ...... Provo
Collett, Farrell R., fa-S .... Bennington, Idaho
Collins, Bessie M., a-S-ss .... Provo
Collins, Lucile, fa-F .... Provo
Colton, Charles H., ss ..... Vernal
Colvin Harold A., G. ...... Provo
Colvin, Nellie, ap-J .. Salt Lake City
Conder, Vera H., a-So-ss .. Provo
Condie, LeRoy, c-J .... St. George
Condie, Vernon C., ap-So..Springville
Condon, David deLancey, a-S..Provo
Conover, Ada M., e-So .... Ferron
Conover, S. Elizabeth, ap-So..Provo
Conover, Hattie, Sp .... Provo
Conover, Wm. Harrison, c-J..Provo
Cook, Helen, fa-So .. Paris, Idaho
Coombs, Ellis D., ss .... Fairview
Coombe, Oswald, c-J..Salt Lake City
Coombs, Dora, e-F ...... Fairview
Coombs, Retta, fa-So .... Cardston, Alberta, Can.
Cooper, George N., a-S .. Panguitch
Cooper, Sherman, e-J .... Washington, Utah
Corbett, Pearson H., ss ...... Provo
Cornaby, Floyd V., fa-J...Benjamin
Cornaby, Les H., ss .. Spanish Fork
Cornaby, Sterling, c-S..Spanish Fork
Cordner, Reva, Sp .... Provo
Cornick, Lucretta, ss .... Salt Lake City
Cottam, Earl B., ap-So .... Provo
Cottam, Howard R., a-S .... Provo
Cowan, AlBurta, e-So .... Nephi
Cowan, Reed c-So .... Payson
Cowley, Roland F., a-F .... Garland, Wyoming
Cowley, Wayne A., a-S ..... Venice
Cox, Clara R., Sp .... Provo
Cox, Marguerite, ss......Orangeville
Cox, Wm. A., ap-J-ss ...... Provo

Cragun, Frank S., c-S .... Provo
Crandall, Anna E., c-F...Springville
Crandall, Josephine A., a-F .... Springville
Crawford, L. DeVere, ap-J .... Paris, Idaho
Crismon, O. Virgil, a-F .... Mesa, Arizona
Croft, Woodrow M., ss ...... Provo
Crookston, Earl, a-F..American Fork
Crookston, Elden, a-S .... American Fork
Cropper, Wayne, a-So ...... Desert
Crowley, Madge, ap-F .... Idaho Falls, Ida.
Crowley, Ralph, a-F .... Idaho Falls, Idaho
Crowther, I. Earl, Sp. .... Provo
Crowther, R. Eldon, ss ...... Provo
Cullen, Kirby L., c-F .... Richfield
Cullimore, Bernece, e-So .... Pleasant Grove
Cullimore, Odessa, Sp .... Provo
Cullimore, Owen S., a-S .... Pleasant Grove
Culmsee, Carlton F., a-S .... Nada
Cummard, Mabel, a-J..Mesa, Arizona
Cummard, Zena, e-J .. Mesa, Arizona
Curtis, Lavaun B., G. .... Lowell, Arizona
Cutler, Betty, e-So....Salt Lake City
Cutler, Louis H., ss ... Springville
Cutler, C. Stanley, c-F ...... Provo

Dahl, Harvey A., ap-F .... Midvale
Dahle, Cline N., Sp .... Provo
Dahlquist, Mary M., a-F .... Provo
Dalby, Ezra C., ss .. Salt Lake City
Dalley, Leah, ap-F .... Kanab
Dangerfield, Grace M., a-J....Provo
Daniels, Cleon., ss .... Logan
Dart, Paul E., ap-So .. Spanish Fork
Dastrup, Elmer J., c-S .. Richfield
Dastrup, Melba, ss .... Provo
Davies, Afton E., e-F ...... Provo
Davies, Myron, a-So......Cannonville
Davies, Ramona M., e-So .... Provo
Davies, Vernon, ss .... Cannonville
Davis, Ariel R., a-F .... Provo
Davis, John L. ss .... Venice
Davis, Mattie A., ss .... Springville
Davis, Owen M., G-ss .... Provo
Day, Cleo L., a-So ....St. Anthony, Idaho
Dean, Elva C., Sp-ss .... Provo
Dean, John O., ap-So .... American Fork
Decker, Alma V., c-J .... Snowflake, Ariz.
Decker, Francis J., ss..Salt Lake City
Decker, Helen D., fa-J ...... Provo
Decker, James B., a-J ...... Provo
Decker, Lorenzo B., a-S ...... Provo
Decker, J. Smith, ap-S .... Snowflake, Ariz.
Decker, Pearl Adams, e-Un...Provo
Defriez, Chas., ss ...... Huntington
Dehmel, Ruth, ss .... Salt Lake City
DeLange, Talmage Y., e-So .... Koosharem
Despain, Dale I., a-F .... Lovell, Wyoming
Deuel, Myrtel, a-S ....Richfield
Devenport, Karl W., ss .... Rexburg, Idaho
Dewsnup, Winona, a-So ....Deseret
Erekson, Edward B., a-So....Murray
Dix, DeVaun, c-F .... Provo
Dix Mary E., c-J .... Provo
Dixon, Maurine, ap-F ...... Provo
Dixon, Mildred, a-So .... Provo
Dixon, Ruby, e-So .... Provo
Dixon, Verl G., a-S .... Provo
Domina, John C., a-F .... Aberdeen, Idaho
Done, G. Byron, ss .. Salt Lake City
Done, W. Edwin, a-F..Salt Lake City
Dotson, Edme H., ap-S-ss..Coalville
Doty, G. Ellis, e-J ...... Richmond
Dougall, Catherine R., ss..Springville
Dougall, John Mac, a-J..Springville
Douglass, Phyllis N., e-J .... Payson
Draper, Emerson O., c-F .... Myton
Driggs, Zelma, a-F..Pleasant Grove
Dudley. Lyndon L., a-F .... Salem
Duffin, Lydia, ss..Aberdeen, Idaho
Duke, Enid, e-So .... Heber City
Duke, Lola, e-So .... Heber City
Duffin, Max H., c-F . Salt Lake City
Durrant, L. Dean, c-S .... Provo
Durrant, Rubye, c-J .... Provo
Durrant, Stewart A., c-F .... American Fork
Dutson, Elzina, ss .... Hinckley

Earl, A. LaVon, a-F..American Fork
Earl, Nellie M., ss .. Overton, Nev.
Eastmond, Margaret H., Sp .. Provo
Eberhard Ernest, a-F .. Melba, Idaho
Edler, Jennie M. ss .... Provo
Edwards Alice, e-So .... Charleston
Edwards, Clara, ap-F ... Charleston
Edmunds, Esther O., e-J .... Provo
Egbert, Anna, Gr .... Provo
Eggertsen, Annie N., Sp .... Provo
Eggertsen, Armand D., a-So..Provo
Eggertsen, Claude A., Gr. .... Springville
Eggertsen, Mark D., c-J .... Provo
Ekins, Virginia L., fa-F .... Provo

Eldredge, Wilma L., e-S .... Salt Lake City
Elliott, Don C., fa-F .... Provo
Elliott, Nell, Sp .... Provo
Ellis, Helen, ap-So ...... Wellington
Ellsworth, Helen, a-S .... Provo
Ellsworth, Mary S., Sp .... Provo
Ence, Melba, Sp .... Richfield
Engebretsen, Nellie L., sss .... Sandy
England, Dorothy, e-So .... Tooele
Ensign, George C., ss ...... Provo
Ercanbrack, LaMar R., ap-F..Provo
Erekson, Edward B., a-So....Murray
Erickson, A. Leroy, ss-Gr.....Salem
Erickson Isobel G., e-J .... Rexburg, Idaho
Erickson, Lucile B., ss-Sp.....Salem
Eskelson, David W., ss ....Devil's Slide, Utah
Esplin, Ruth, ss .... Shelley, Idaho
Evans, Bud D., a-F .. Spanish Fork
Evans, Fay L., c-So-ss .... Am. Fork
Evans, Fred, Sp .... Provo
Evans, W. Ferdinand, a-So ... Lehi
Evans, Jane A., fa-So .. Sp. Fork
Evans, Karl, c-F .... Lehi
Evans, Howard C., c-F ...... Lehi
Evans, Neldon,, ap-So .... Lehi
Evans, Oakley S., c-F .... Anaconda, Montana
Eyre, Floyd G., ss .... Ogden
Eyring, Joseph C., a-J Pima, Ariz.
Eyring, Rose, a-s ...... Pima, Ariz.

Facer, Alice J., e-P .... Provo
Facer, Elden J., e-J . Pocatello, Ida.
Fage, Roy, Fa-F .... Pleasant Grove
Fahring, Ray L., a-F ...... Helper
Faile, Forbes, a-F ...... Orangeville
Farley, M. Lucille, c-So .... Provo
Farnsworth, Delin, fa-So .... Salt Lake City
Farnsworth, Kenneth E., ss .... Salt Lake City
Farnworth, Viola, ss .... Provo
Fausett, Flora, e-So .... Price
Favero, J. Dewey, a-F .... Hooper
Fawcett, Melvin, a-J .... St. George
Feast, Howard F., a-F . Center, Colo.
Felt, Bert W., a-F .... Centerfield
Fenton, Estelle, ss .... Pl. Grove
Ferre, Grant, Sp .... Provo
Fillmore, Belle, a-F .... Richfield
Fillmore, Elmer L., a-So .. Sp. Fork
Fillmore, H. LaVieve, e-F, Sp. Fork
Finch, Henry H., c-F .... Sp. Fork
Finley, May, ss .... Springville
Finlinson, Burns L., ss . Leamington
Finlinson, Virginia, e-So .. Oak City
Firmage, Doris, a-So .... Sp. Fork
Firmage, John H., ss .... Am. Fork
Fisher, Asael H., ss .... Provo
Fisher, J. Dean, c-J-ss ...... Provo
Fisher, Flora D. ss .... Provo
Fitzgerald, Harold, c-J .... Draper
Fjeld, Allen E., fa-S .... Lehi
Fletcher, Ethel, fa-F .... Provo
Fletcher, Floyd E., Sp ...... Vernal
Fletcher, Hazel, a-— .... Provo
Fortie, Jowett A., ss ...... Boneto
Forsyth, F. Howard, a-So .... Hill Spring, Alta, Can.
Foster, Francis W., c-F ..Am. Fork
Fotland, Clara, e-J .... Provo
Fowlke, E. Mae, e-F .... Pl. Grove
Fowers, VerDean, ap-F .... Hooper
Fowler, Florence, e-J .... Idaho Falls, Idaho
Fowles, Mrs. Daphne, e-F .. Ferron
Francis, Jim, a-So .... Ogden
Frandsen, Calvin E., e-F .. Redmond
Frandsen, Ernest, ss .... Redmond
Frei, J. Claud, ss .... Santa Clara
Frei, Newell R., Sp .. Santa Clara
Frisby, J. Donald, a-F .... Provo
Frost, Don E., e-So ...... Coalville
Frost, Melba, e-F .... Coalville
Fugal, Genevieve, a-So .. Pl. Grove
Fugal, Neil Y., a-F .... Pl. Grove
Fujiwara, Takeo, a-J Sapporo, Japan
Fullmer, Bert L., a-F .... Sp. Fork
Furr, Norma, Sp .... Provo

Gamett, LaVell C., ap-So. Pl. Grove
Gardiner, Eugene, c-F .. Panguitch
Gardner, Alice E., ss ...... Magna
Gardner, Edward R., ss .. Am. Fork
Gardner, Frederick A., ss .... Stewart, Nevada
Gardner, G. Grant, ss ...... Levan
Gardner, Hazel, ss .... Payson
Gardner, Margaret, ss ...... Delta
Gardner, Marguerite, ap,.. Sp. Fork
Gardner, Russell M., ss .... Levan
Gardner, Stanford O., a-F .. Payson
Garfield, Jack A., ap-F .... Draper
Garfield, Leona, e-So .... Tremonton
Garfield, Wanda, e-So .. Tremonton
Garfield, Zoie, fa-S .... Draper
Garn, Floyd, ap-So .... Coalville
Garrett, J. Oscar, ss .... Provo
Garrett, J. Raymond, c-S .... Nephi
Garrett, Ralph L., c-F ...... Nephi
Garrett, Rex., ap-F .... Nephi
Geary, Elmo G., ap-F .. Huntington
Gee, Elwood A., e-J .... Provo
Gentry, Lillian, ss .. Caliente, Nev.
Gibb, Bruce L., a-F .... Hill Spring, Alta, Canada
Gibbons, Leona, fa-F St. Johns, Ariz.

Gilchrist, Marion L., ss .... Provo
Giles, Mary E., ss .... Provo
Gillespie, Elizabeth T., ss .... Provo
Gillespie, George S., a-F .... Tooele
Gillman, Rhea, e-So .... Pl. Grove
Gines, Erma, e-F .... Roosevelt
Gledhill, Ora, ss .... Richfield
Glenn, Eleanor, ss ... Salt Lake City
Goe, Bill, a-F .... Jackson, Wyo.
Goe, Byron H., c-F .. Jackson, Wyo.
Goodman, John W., c-Un .... Provo
Goodwin, LaPriel, a-F ...... Lehi
Goodwin, Ralph A., Sp .... Lehi
Golden, Melba A., Sp .... Lehi
Gordon, Glen H., c-F ...... Am. Fork
Gourley, David G., ... Pl. Grove
Gourley, Gertrude, ap-S .. Pl. Grove
Graff, Clara, Sp ...... Santa Clara
Graham, Ellis R., a-J .... Fairview
Graham, Verena, e-S .... Fairview
Grange, A. Hollis, c-So ...... Price
Grant, Carter E., ss ...... Sandy
Grant, Virginia, e-F . Salt Lake City
Green, Edward R., G ...... Ogden
Greene, Vern D., c-So ...... Provo
Greenwood, Lois, e-F .. Am. Fork
Greer, Faun, a-F .... Provo
Gridley, Eileen, e-So . Boise, Idaho
Griffith, Melvin A., a-J . Lake Poina
Grimmett, Arch T., ss Moreland, Ida.
Groberg, LeRoy B., G-ss .. Bicknell
Groesbeck, John R., ss .. Springville
Grotegut, Lamar, e-J .... Sp. Fork
Grow, Katherine J., a-J .... Cardston, Alta., Canada
Grow, D. Spencer, c-J .... Cardston, Alta., Canada
Grow, Stewart L., c-So .... Cardston, Alta., Canada
Grua, Suzanna M., ss .. Pl. Grove
Gubler, Ovanda, a-J ...... LaVerkin
Gubler, Rosalba, ap-J .....LaVerkin
Gunn, Ora, fa-F .... Beaver
Gunn, Stanley R., ss ...... Beaver
Gunnerson, Helen L., ss .. Murray
Gunther, Marcille, c-F .... Lehi
Gurney, J. Ferrin, c-S ...... Lehi
Gurr, Mary F., ss .... Richfield

Hacking, Bernice, fa-F Cedar Valley
Hacking, Junius P., c-F .... Vernal
Hacking, Ralphena, ss .... Provo
Haddock, Grove M., e-S .... Bloomington, Idaho
Haddock, Ray L., a-J .... Bloomington, Idaho
Hadfield, Dale W., ss .... Lehi
Hadley, Lloyd T., c-S ...... Ogden
Hafen, Faye, Sp. .... Provo
Hair, Delmar B., ss .... Pl. Grove
Hales, Belle W., Sp-ss ...... Provo
Hales, Duane, c-F ...... Sp. Fork
Hales, Iman, a-J .... Deseret
Hales, Thora T., e-So ...... Pl. Grove
Hall, Merlyn, ss .... Springville
Hall, Myrl, Sp .... Provo
Halliday, Naomi E., a-F . Am. Fork
Halliday, Nina, e-S ...... Am. Fork
Hamblin, Clara, fa-S. .St. John, Ariz.
Hammond, May C., Sp-ss .... Provo
Hammond, Merrill C., a-So .. Provo
Hancock, May, e-F .... Payson
Handley, Irving, c-So ...... Sandy
Hanks, Edna, e-F .... Salem
Hanks, E. Wayne, a-F .... Tooele
Hansen, Afton, e-F .... Bear River
Hanson, Alice A., a-F .... Hiawatha
Hansen, Basil C., fa-J ...... Lehi
Hansen, Caroline A., a-So-ss .. Provo
Hanson, Clara, c-F ...... Roosevelt
Hansen, Edith O., ss ...... Ephraim
Hansen, Elmo H., ss .... Lehi
Hansen, Everett A., ss ...... Monroe
Hansen, Floy, a-So ...... Richfield
Hansen, Glenn W., a-F .. Richfield
Hansen, Ilda O., c-Un . ... Los Angeles, Calif.
Hansen, Leland A., a-S-ss .. Richfield
Hanson, Leo H., ss .... Lehi
Hanson, Leora, ss .... Tetonia, Idaho
Hansen, Norma, C-F ...... Vernal
Hansen, Norma, e-F ...... Sp. Fork
Hansen, Ray W., ss .. Mt. Pleasant
Hanson, Rulon B., c-S ...... Provo
Hansen, Ruth K., ss .... Provo
Hanson, William F., ss ...... Provo
Hanson, Wilma, fa-S .... Sp. Fork
Hansen, Zula, a-F ...... Bear River
Hapi, Joseph T., a-So-ss Nuhaka H. B. New Zealand
Harding, Curtis P., c-S .... Payson
Harding, Ruth, e-F .... Payson
Hardman, Oswald C, ss Salt Lake City
Hardy, Horace H., a-S .... Sp. Fork
Hardy, McVal, c-J .... Provo
Harmer, Elizabeth, c-F .. Springville
Harmer, Floss, ss ...... Springville
Harmer, Louis J., c-J .... Mapleton
Harmon, L. ElRoy, a-F ...... Price
Harris, Alvin, ss .... Portage
Harris, Chasta O. ss ...... Payson
Harris, Chauncy D., a-So-ss . Provo
Harris, Edna A., e-So .. Boise, Ida.
Harris, Estelle, Sp-ss .... Provo
Harris, Maureen E, c-F .. Boise, Ida.
Harris, Mildred, ap-F Salt Lake City
Harris, Sylvia G., ss .. Green River
Harris, Fonda, ss .... Ephraim
Harrison, B, Edith, fa-So .... Provo
Harrison, Brigham, e-Un .... Manassa, Colorado

Harrison, Lorna J., a-S ...... Provo
Harrison, Madelyn, a-So Springville
Harrison, Robert B., c-J Springville
Harrison, Walter F., ss .. Heber City
Hart, Charles J., ss .... Provo
Hart, J. Irel, a-J ...... Rigby, Ida.
Hart, R. Kay, c-F .. Idaho Falls Ida.
Hart, Ray G., ap-S .. Salt Lake City
Hartle, Lida ss .... Vernal
Hartwigsen, Milton, ss .. Grace, Ida.
Harwood, Lenard, ap-J .. Springville
Haslam, William H., c-J .. Lewiston
Hasler, Ada, ss .... Provo
Hasler, Arthur D., a-S ...... Provo
Hasler, J. William, a-F ...... Provo
Hatch, Fleeta, ap-J-ss .....Colonia Juarez, Chih, Mexico
Hatch, Genevieve, e-F-ss .. Colonia Juarez, Chih, Mexico
Hatch, Harvey, ss .. Idaho Falls, Ida.
Hatch, Leonard R., c-Un .... Salem
Hatch, E. Leroy, ap-F .... Colonia, Juarez, Chih, Mexico
Hatch, Norma, e-F .. Spanish Fork
Hatch, W. Bradford, a-F Spanish Fk.
Hatch, Lettie O., Sp. .... Provo
Hatton, Beulah, ss .... Provo
Hatton, Karl W., c-S .... Kanosh
Hatton, S. Ross, G .... Provo
Hawkins, Merrill D., a-F ..Sp. Fork
Hawkins, Wilma S., ss ...... Provo
Haws, Bill, a-F .... Silver City
Haws, Lucille, Sp. .... Provo
Haws, Ora, ap-S .... Provo
Hayes, Rex E., Sp .... Provo
Hayes, Sheldon P., a-F-ss .. Provo
Haymond, T. Mell, ap-So Springville
Hayward, Elizabeth C., G .... Provo
Hayward, C. Lynn, G .... Provo
Heath, Don R., a-Un Salt Lake City
Hebertson, Thorit C., ss .... Provo
Hedquist, June, ss .... Provo
Heindselman, Flo D., ap-J .. Provo
Henderson, Clea R., ss .. Oxford, Ida
Henderson, Myrtle, ap-F .... Provo
Hendricks, Milo A., c-J ...... Provo
Henry, Ruth M., c-So .. Rigby, Ida.
Herbert, Raymond, a-F .. Shelly, Ida
Heslington, David C., ss .... Milford
Heslington, Melborne, ss Adamsville
Hess, Geo. M., ... Driggs, Ida.
Hettig, Tubou M., a-S .... Tonga Friendly Islands
Heyborne, Robert L., ss ...... Delta
Heywood, Austin, c-J .... Panguitch
Hicken, Elijah, ss .... Richmond
Hicken, Nellie M., G .... Heber City
Hickman, Felton, ss .... Levan
Hicks, Eliza Mae, a-S Safford, Ariz.
Hicks, Leland S., G Safford, Ariz.

Hile, Heber G., a-F .. Garland, Wyo.
Hill, Edna A., ss .... Payson
Hill, C. Frazer, c-So .... Provo
Hill, Kelsey J., c-J .... Springville
Hill, Lulu F., ss ...... Fruita, Colo.
Hiller, Walter., c-J .... Provo
Hilton, Hope Fae, e-So .. Hinckley
Hilton, Virgil T., c-So ...... Delta
Hinckley, George M., ap-F ... Provo
Hinckley, Helen, ss .... Ogden
Hodgkinson, Ralph, e-F .... Vernal
Hodson, Marva, G. ss .... Provo
Hodson, Rosemary, fa-F .... Provo
Hodson, Waldo G., a-S-ss .... Provo
Hogan, Eva, a-F .... Eureka
Holdaway, Aline, a-So ...... Provo
Holbrook, Ruth, c-J-ss ...... Provo
Holbrook, Raymond B., G .... Provo
Holindrake, George M., a-F Am. Fk.
Hollindrake, E. Vernon, ap-F Am. Fk.
Hollingshead, Billie, G .. Koosharem
Hollingshead, Golden, ss s...... .... Minersville
Holman, Vance, a-F .. American Fk.
Holt, L. Bernice, e-F ...... Midvale
Holt, Ida, e-J .... Midvale
Holt, Jesse C., ap-J ...... Sp. Fork
Holt, Paul, G .... Provo
Homer, Leona C., Sp. .... Provo
Hone, Earl D., e-J-ss .. Brigham City
Hone, Merrill, Sp .... Provo
Hooks, Bertha L., a-J .... Provo
Hooks, Gladys, a-J .... Provo
Hoover, Bliss, c-S .... Provo
Hoover, Dorothy L., a-S ..... Provo
Hoover, Phyllis M., ap-F .. Park City
Horlacher, Fred C., c-J .... Ely, Nev.
Hornsby, Ethel, ss .. Salt Lake City
Houston, Irene, fa-F .... Panguitch
Howe, Mignon, ap-F .... Provo
Howell, George H., ss Salt Lake City
Huber, Clara E., ss .... Midway
Huber, Marie, e-J .... Payson
Huff, Esther, a-So .... Provo
Huff, Ina, e-F .... Spanish Fork
Huff, Nell, e-J ...... Spanish Fork
Huffaker, Marshall E., a-F ..Murray
Hughes, Alton, aS .... Spanish Fork
Hughes, Anna, ss .... Spanish Fork
Hughes, Arthur, c-So ... Springville
Hughes, John M., a-So ...... Provo
Hughes, Preston G., a-F .. Sp. Fork
Huish, Carol, e-So .... Payson
Huish, Daryl E., a-F .... Provo
Huish, H. Paul, G .... Provo
Hull, Melva, ss .... Payson
Hunn, Dorothy, a-F .... Provo
Hunt, Esther J., ss .... Panguitch
Hunt, Sheldon R., ss .... Panguitch
Hunter, James R., c-So ...... Ogden
Huntington, Mae P., ss .. Springville

Huntsman, S. Ralph, ss .... Bunkerville, Nev.
Hurst, Lillian G., e-So .... Provo
Hurst, Lynn, a-J .... Provo
Hurst, Vera M., ss .... Provo
Hutchings, Imri J., a- S .. Midvale
Hutchings, Loman F., a-So Springville
Hutchings, Rowena, c-So .... Springville
Hutchings, Theron B., a-J .. Midvale
Hutchinson, J. Marvel, c-F .... Salt Lake City
Hutchinson, Grant A., c-F, Salt Lake
Hyer, Maurine, e-F ...... Lewiston

Ingersoll, Homer R., a-F . Am. Fork
Ingersoll, M. Leigh, ap-So Am. Fork
Ingersoll, Rex M., ap-F .. Am. Fork
Ipson, Alice, ap-So ...... Panguitch
Ipson, Ella K., Sp ...... Junction
Ipson, Ingra, c-F .... Panguitch
Ipson, J. Morrill, a-F .... Junction
Ipson, Nello P., c-So .... Panguich
Isaksen, Alice, ap- .. Palo Alto, Calif.
Ivins, Bertha H., Sp-ss .... Provo
Ivins, Fawn, fa-J-sss .. Lund, Nev.

Jacklin, George, ap-F .... Am. Fork.
Jackson, Arvilla J., e-S-ss .... Provo
Jackson, Audrey, G .... Provo
Jackson, Ellen, a-F .... Provo
Jackson, R. Inez, ss ...... Ephraim
Jackson, Leona, a-So ...... Provo
Jackson, Norma E., Sp ...... Provo
Jacob, H. Wendell, a-J ...... Provo
Jacobs, Emma, ss .... Ogden
Jacobs, Wm. Rigby, a-S .... Ogden
Jacobsen, Eugene C., fa-F .. Sp. Fork
Jacobsen, Eula B., ss .. Pine Valley
Jacobsen, Helen, e-So .... Richfield
Jacobsen, M. Paul, c-F .... Provo
Jacobsen, Ralph C., fa-J Mt. Pleasant
Jacobsen, Reuel F., Sp ...... Provo
Jacobsen, S. Elmer, c-F ...... Provo
Jameson, Alexander, a-F ...... Moab
Jameson, Karl M., a-F ...... Price
Jarvis, George Y., ss . Wash., D. C.
Jarvis, Joseph S., G .. Springville
Jaussi, William J., a-F . Paris, Ida.
Jay, Emma H., ss .... Roy
Jeffery, Emily, ss .... Delta
Jeffery, Pearl, ss .... Delta
Jenkins, Hyrum, ss-Sp .... Salt Lake City
Jenkins, Melvin D., Sp ...... Provo
Jenkins, Louise, fa-So ...... Provo
Jenkins, Ray L., c-So .. Springville
Jenkins, W. Clayton, c-J .... Provo
Jense, Wesley, Sp ...... Pl. Grove
Jensen, Bradford A., a-S . Castle Dale
Jensen, Christian J., ss .... Ogden
Jensen, Della M., e-So .... Sp. Fork
Jensen, Edna, a-F .... Ferron
Jensen, Ernest, a-F ...... Goshen
Jensen, Gilmon, c-F .... Richfield
Jensen, S. Ira, ss ...... Abraham
Jensen, Joel P., e-S .... Ephraim
Jensen, Lawrell, G .. .. Fountain Green
Jensen, Mamie, ap-F ...... Provo
Jensen, Mary, ss .... Brigham City
Jensen, Myrtle R., ss ...... Provo
Jenson, Norma, fa-S ...... Ogden
Jenson, Ralph W., fa-So .... Ogden
Jensen, Ray, c-F .. Manassa, Colo.
Jensen Vernon H., e-J-ss .... Salt Lake City
Jensen, Walter A., fa-F .... Salt Lake City
Jensen, Woodruff J., c-F .... Provo
Jensen, Zola, e-So ...... Castle Dale
Jeppesen, Geraldine, ss ...... Provo
Jeppesen, Rhodes, fa-S-ss .... Provo
Jergensen, Verla, a-So .... St. Anthony, Idaho
Jex, Phebe, c-F ...... Spanish Fork
Jex, Wm. Reed, c-S .. Spanish Fork
Johanson, Ava J., G St. Anthony, Ida.
Johansen, Vernon, fa-J Mt. Pleasant
Johns, Harold G., c-J ...... Murray
Johnson, Afton A., ap-S ...... Provo
Johnson, Arthell, fa-F .. Rupert, Ida
Johnson, P. Bonne, ss, Anaheim, Cal.
Johnson, Christian W., ss .. Ner
Johnson, D. Lorrell, ap-So Springville
Johnson, Eldon J., ap-So, Pl. Grove
Johnson, D. Elmer a-So ...... Provo
Johnson, Ernest, a-Sp .... Fountain Green
Johnson, Eugene W., ap-S, Springville
Johnson, Evan R., So ...... Ephraim
Johnson, Fay, a-So .... Provo
Johnson, Glen B., ap-So .... Richfield, Idaho
Johnson, Harold T., c-F .... Lehi
Johnson, Herbert, a-F .... Lehi
Johnson, Ina G., e-J-ss ...... Provo
Johnson, Isabelle, ss, Salt Lake City
Johnson, Joseph F., a-F .. Murray
Johnson, Kirt E., c-J ...... Manti
Johnson, W. Kent, a-S ...... Provo
Johnson, T. Leonard, a-F .... Provo
Johnson, Louis A. a-S .. Mapleton
Johnson, Lowell L., ap-So .. Provo
Johnson, Lucille, ss, Salt Lake City
Johnson, Marie N., e-F ...... Provo
Johnson, Mark Wm., G, Springville
Johnson, Maurean M., e-J .... Mora, New Mexico
Johnson, Merle A., e-So .... Robertson, Wyo.

Johnson, Morris R., fa-So .... Provo
Johnson, Paul M., ap-S ...... Provo
Johnson, Rachel, e-So .. Springville
Johnson, Rhoda L., fa-So .... Idaho Falls, Idaho
Johnson, Roah R., a-F .. Springville
Johnson, Ruth A., Sp .... Provo
Johnson, Ruth I., a-S-ss ...... Provo
Johnson, Searle, a-F .... Provo
Johnson, Sherwin, ap-F, Pl. Grove
Johnson, Stella I., e-So, Richfield, Ida.
Johnson, Vard, a-S .... Pl. Grove
Johnson, Vearl S., ap-S ...... Provo
Johnson, Willis F., s .... Provo
Johnson, Vola M., e-S-ss .. Pl. Grove
Johnson, Wyla J., fa-F ...... Provo
Johnson, Zoe E., ss ...... Payson
Johnston, Irene, a-F .... Am. Fork
Jolley, Magdaline, e-F .... Provo
Jolley, Udell, a-F .... Provo
Jones, Alba, ss ...... Duncan, Ariz.
Jones, Alice, G .... Provo
Jones, Amy, a-So ...... Springville
Jones, Earl S., ap-F .... Provo
Jones, Archie G., c-J ...... Provo
Jones, Dale E., c-F .... Provo
Jones, Elsie, ss .... Sunnyside
Jones, Evelyn M., c-So ...... Price
Jones, Fae, c-F, Green River, Wyo.
Jones, Hyrum P., ss .... Pl. Grove
Jones, Harold T., a-F ...... Provo
Jones, Horace T., a-S ...... Heber
Jones, I. Irene, a-S .... Logan
Jones, Lawrence, c-J ...... Provo
Jones, Martha K., ss .... Pl. Grove
Jones, Maurice A., a-So .... Provo
Jones, Merle, e-F .... Overton, Nev.
Jones, Patrick H., c-F .... Provo
Jones, Pearl, c-F .... Sp. Fork
Jones, G. Ray, G .. Spanish Fork
Jones, Rudger E., a-F .... Flushing, New York
Jones, S. H., ss .... Provo
Jorgensen, Brandt D., a-So .. Salem
Jorgensen, Eugene G., fa-F .. Price
Jorgensen, Myron N., ss .... Salt Lake City
Jorgensen, Vivian, e-So .. Am. Fork
Josie, Charles, Sp .... Provo
Juarez-y-Juarez, Deifilio, a-J,... .... Guadalupe, Mex.
Judd, Evalina, e-So Idaho Falls, Ida.
Judkins, Leonard N., ss North Ogden

Kartchner, Alma H., G .... Provo
Kartchner, Ray W., a-F ...... Provo
Kartchner, Virgil, Sp .... Provo
Kay, Melvin W., ap-So ...... Mona
Kay, Orpha, a-F ...... Charleston
Keate, Vivian, c-F ...... Richfield
Keeler, Essie, ss .... Provo
Keeler, Jay J., Sp .... Provo
Kelly, Howard G., c-S, ... St. Anthony, Idaho
Kenney, Flora, ap-So ...... Holden
Kerr, James G., e-J .... Idaho Falls, Idaho
Kershaw, May G., ss . Phoenix, Ariz.
Killian, George W., e-So . Orangeville
Kenner, Robert L., ss . Preston, Ida.
Killpack, Janie J., e-So-ss .. Ferron
Killpack, Theron W., e-S .... Provo
Killpack, Edna, e-J .. Phoenix, Ariz.
Kimball, Doris M., a-So .... Provo
Kimball, Gardner, c-J ...... Kanosh
Kimball, A. Noble, ss-Gr .. Hurricane
King, Alma, ss .... Garland
King, Cecil M., a-F .... Provo
King, Gertrude E., a-S-s .... Grace, Idaho
Kirk, Merle C., ss .... Provo
Kirkham, Reed O., c-F .... Lehi
Kirkwood, Nita, c-F .... Provo
Kjar, Maurine, ap-F .... Manti
Knight, Edith, ss .... Mesquite, Nevada
Knudsen, Hilda L., ss-Sp .... Provo
Knudsen, Ida, ss .... Provo
Knudsen, Ruth, e-F .... Provo
Kotter, Floyd, a-So ...... Elsinore
Kottick, Kenneth, c-F ...... Provo
Kuhni, Paul, ss-Sp .... Heber

LaComb, Frank O., a-F .... Midvale
Laker, Willard E., ss .... Salt Lake City
Lambert, A. C., G .... Provo
Larsen, A. Bardell, fa-S-ss ....Mt. Pleasant
Larson, Blanch, e-J-ss .... Lehi
Larson, Carl L., c-F..Preston, Idaho
Larsen, W. Carlyle, c-J .... Pleasant Grove
Larson, G. Clyde, o-So ...... Provo
Larsen, J. Elmo, c-S .... American Fork
Larsen, Eugene C., a-So-ss .. Provo
Larsen, H. Gordon, c-J ...... Provo
Larson, Gustive O., ss..Cedar City
Larsen, Rex B., a-So-ss ...... Provo
Larsen, Seth, a-Un .... Provo
Larsen, Theresa M., Sp .... Wells, Nevada
Larsen, Vernon F., ss..Mt. Pleasant
Larson, C. Wilford, a-Un .. Provo
Larsen, Zelda, a-S .. American Fork
Lasson, Helen, e-F .... Fairview
Leavitt, Francis H., e-J .... Bunkerville, Nev

Lee, Lorine, ss .... Idaho Falls, Idaho
Lee, Wilford, D., ss .... Idaho Falls, Idaho
Lee, Clark, a-So .... Monroe
Lee, Lawrence, Sp.....Rigby, Idaho
Leemaster, Vernon J., fa-S-ss .. .. Provo
Leffler, Erma, Sp .... Provo
Lehman, Hulda, ss .... Grand Junction, Colo.
LeRoy Ellis W., Sp ...... Mapleton
LeSueur, Malcolm F., a-J .... Mesa, Arizona
Lewis, Bernell H., a-So .... Spanish Fork
Lewis, Ethel L., e-F .... Provo
Lewis, Izola S., ap-So ...... Provo
Lewis, Kenneth M., sp-Un .. Provo
Lewis, LeGrand, a-F .. Spanish Fork
Lewis, Max T., ap-F .... Provo
Lewis, Ray W., c-F .... Provo
Lewis, Wm. Crismon c-F .... Salt Lake City
Lewis, Zelda, Sp .... Provo
Liddle, Vadis, e-So .... Payson
Lillywhite, John P., ss .. Bingham
Lloyd, Dora L., ss .... Upalio
Lloyd, Helen, ss .... Salt Lake City
Lloyd, Wesley P., ss..Oakley, Idaho
Lohmoelder, Otto L., c-Un-ss..Provo
Lohmoelder, Ruth P., G-ss .... Provo
Lott, Wreal, a-J .... Leh
Lowe, Bessie, Sp .. Pleasant Grove
Ludlow, Albert T., c-F .. Benjamin
Ludlow, Don E., a-F .. Spanish Fork
Ludlow, Iona, fa-J .. Spanish Fork
Ludlow, Jack, c-F ... Spanish Fork
Ludwigson, Emma, ap-S .... Pleasant Grove
Luke, Mabel M., ss .... Provo
Luke, Melroy C., ap-P ...... Manti
Luke, Rosella, e-So ...... Junction
Luke, Theron H. e-So..Heber City
Lund, Leon G., ss .. Standardville
Lyman, Mary, e-So .... Delta
Lyman, Willis J., Sp-ss .. Oak City

McAllister, Ellis S., a-J .. St. George
McAllister, John S., a-J..St. George
McBride, Orlando S., c-S .... Thatcher, Ariz
McCoard, Ethel, c-F .... Provo
McCoard, William B., G-ss .. Provo
McConkie, Andrew R., a-F .. Moab
McConkie, Don, ss .... Vernal
McConkie, Faun, a-J .... Moab
McConkie, Wayne, ap-J ...... Moab
McConkie, G. Wilson, a-So .. Moab
McDonald, Alda M., e-F..Heber City
McDonald, Ward C.So ...... Provo
McEntire, Laura, ss......Huntsville
McEwan, Joe W., c-F..Salt Lake City
McGavin, E. Cecil, ss..Spanish Fork
McGhie, Frank W., ss..Salt Lake City
McGregor, Donald W., c-F .... St. George
McGuire, James, a-F .... Provo
McGuire, John H., c-So ...... Provo
McGuire Ray, a-F .... Provo
McGuire, Tessie, ss .... Heber City
McKell, Charles R., G..Spanish Fork
McKinnon, Thelma, fa-So .... Price
McMullin, Lucille, c-J ...... Payson
McOmie, Robert, ss..Pleasant Grove
McPherson, Margaret E., e-J-ss .... Springville
Madsen, Daniel T., a-F .... Mt. Pleasant
Madsen, Eardley B., c-J...Ephraim
Madsen, Emily, fa-J .... Duchesne
Madsen, Farrell D., a-J .... Fairview
Madsen, Florence J., fa-Un..Provo
Madsen, Helen, e-J .. Mt. Pleasant
Madsen Herbert C., a-F .... Provo
Madsen, Ruth, e-J .. Mt. Pleasant
Madsen, Virginia, c-F ...... Manti
Magleby, McRay, a-S ...... Monroe
Mangum, Dixie K., c-So .... Provo
Mangum Max K., c-S ...... Provo
Markham, Don C., a-F .... Spanish Fork
Marler, George D., G .... Thornton, Idaho
Marrott, Margaret, e-F .... Pleasant Grove
Marshall, Florence H., e-So..Vernal
Marshall, Julia T., ss ...... Provo
Martin, Hattie P., ss ...... Provo
Martin, John W., a-F .... Ronan, Montana
Martin, Kenneth, c-F ...... Provo
Martin, William P., a-So .... Provo
Martineau, Carl., Sp .... Provo
Mason Elizabeth E., ss ...... Ogden
Matthews, Elmer R., ss-Sp .... Bingham City
Matthews, Weldon C., c-J..Midvale
Mathis, Weldon M., a-F .... Price
Maughan, Lucile, G. .... Lava Hot Springs, Idaho
Maughan, Margith, ss ...... Logan
Maughan, Mildred, a-F .... Lava Hot Springs, Idaho
Maw, Florence, ss-Sp ...... Provo
Maw, Margaret L., ss ...... Provo
Maxwell, B. Alva, c-F .... Eagar, Arizona
May, R. Golden, ss .. Burley, Idaho

Mayett, Nellie H., ss .... Fallon, Nevada
Meiling, Bessie I., G .... Provo
Meldrum, Marvin E., c-F .. Provo
Meldrum, J. Robert, a-F .... Provo
Memmott, Cleon L., ss ....Nephi
Memmott, Ivy, ss .... Scipio
Memmott, Thomas K., ss .... Scipio
Mendenhall, B. Harold, a-J .... Springville
Mendenhall, Helen, ss .. Springville
Mendenhall, Seymore L., ss .... Springville
Mensel, Dorothy, fa-J .... Provo
Mensel, Laura, c-F-ss ...... Provo
Menzies, Belva, ss .... Provo
Menzies, Charles W., ap-J .... Provo
Merkley, Floyd R., c-F .... Blackfoot, Idaho
Merkley, Harold E., a-F ... Vernal
Merrell, Victor L., ap-Un. ...Vernal
Merrell, Wm. A., ap-So-ss .. Vernal
Merrill, David M., e-F ...... Provo
Merrill, W. Douglas, fa-F ...... Clifton, Ida
Merrill, Edna J., Sp .... Provo
Merrill, Eliza., Sp .... Provo
Merrill, Harrison J., a-So-ss .... Provo
Merrill, Lucile, e-S .... Provo
Merrill, Merle M., Sp .... Provo
Merrill, Ray D., a-J Salt Lake City
Merrill, Vera M., a-So ..... Provo
Merrill, Vivian, ss .... Provo
Meservy, Joseph R., e-S ...... St, Anthony, Idaho
Metcalf, A. Irene, ss .... Springville
Millar, Harvey C., G .... Pleasant Grove
Miller, Alberta, ap-So.Salt Lake City
Miller, Barr C., c-So .... Murray
Miller, Cutler R., a-F ...... Provo
Miller, W. Elbert, c-F ...... Provo
Miller, Florence, e-J .... Provo
Miller, Frances C., Sp ...... Tooele
Miller, Karl A., ap-S..Salt Lake City
Miller, Phyllis, c-J .... Provo
Miller, Robena, ap-So .... Salt Lake City
Miller, A. Woodruff, ap-F .... St. Anthony, Idaho
Millet, Beulah, ap-So..Mesa, Arizona
Millet, Floyd W., a-J .... Mesa, Arizona
Miner, E. Devere, c-F .. Fairview
Miner, Don T., a-F .... Springville
Miner, Helen F., c-F .... Fairview
Miner, Orson L., e-S-ss .. Fairview
Mitchell, Esther, fa-F ...... Provo
Mitchell, J. Harry, c-So .. Eureka
Mitchell, L. William, ss ... Provo
Mitchell, Samuel, ss .... Provo
Monson, Jesina A., Sp .... Washington D. C.
Moody, Edgar R., ss .... Hinckley
Moody, Milton W., ss ...... Delta
Moon, Elmer R., sp-Un .... Hanna
Moon, Loretta M., c-Un .... Hanna
Moore, Anna M., e-So .... Payson
Moore, Clara, ap-J .. Spanish Fork
Moore, Huish, e-J .... Payson
Moore, R Lowell, a-F .... Oakland, Calif.
Moore, Samuel D., ss..Pleasant Grove
Morby, Hortense, e-F .... Pleasant Grove
Morgan, Helen E,, a-F .... Moore, Idaho
Morgan, V. Marie, c-F ...... Provo
Morgan, Ralph J., a-J..Spanish Fork
Morgan, Wendell A., ss-Sp .. Provo
Morley, Alonzo J., ss .... Provo
Morley, Zelda L., ss ...... Moroni
Morrill, A. Reed, ss ...... Vernal
Morrison, Lillian A., fa-J .... St. George
Mortenson, Eunice S., ap .. Ephraim
Mortensen, Harry B., ss..Cleveland
Moss, James E., ss..Salt Lake City
Moss, James W., ss ...... Holladay
Mower, John F., ss .... Provo
Muhlestein, Erma, Sp ...... Provo
Murdock, Ernest F., c-J ...... Provo
Murdock, Ezra A., e-S ...... Sugar City, Idaho
Murdock, Ray D, c-So .... Provo
Murdock, Stephen R., c-J .... Provo
Murphy, J. Bud, e-So ...... Salina
Murray, Lorna, a-F .... Vernal
Myers, LaPriel, fa-J..American Fork
Myrup, Eloise, fa-J .... Provo
Myrup, Jenny L., a-F ...... Provo
Myrup, Orion Sp .... Provo

Naegle, Anthony W, ss ...... Salt Lake City
Naegle, Ione, ss .... Salt Lake City
Naegle, Mary, e-J .... Toquerville
Nash, Edith Maie, fa-J..Springville
Neilson, LaRue I., e-S ...... Provo
Neilson, Mona, e-So .... Provo
Nelson, Anna, ss .. Salt Lake City
Nelson, Blanche, ss .... Provo
Nelson, Boyd, fa-S .... Pleasant Grove
Nelson, Byron C., a-So .... Montpelier, Idaho
Nelson, Clifford, c-J ...... Joseph
Nelson, Eliza, a-J .... Provo

Nelson, F. DelMar, fa-J .... Provo
Nelson, Florence N., Sp ...... Provo
Nelson, Gwedolyn, a-S ...... Provo
Nelson, Harold S., ss..Pleasant Grove
Nelson, Jack C., a-F .... Salem
Nelson, Jay L., c-F .... Provo
Nelson, Leah, a-F .. Spanish Fork
Nelson, Lyle, ss .... New York City, N. Y.
Nelson, Robert A., e-J..Spanish Fork
Nelson, Thelma J., e-J .. Springville
Nelson, William L., c-Un....Salina
Nelson, Vivian, e-So ...... Redmond
Neslen, George Q., a-F .... Salt Lake City
Newell, Donna, ss .... Mona
Newell, Helen R., ap-So .... Provo
Newell, Naomi, ss .... Monroe
Newton, Karl M., ap-F ...... Mona
Nicholes, C. Eldred, c-F .... American Fork
Nicholes, Fern S., ss..Eagar, Ariz.
Nicholes, Ray D., ss .... American Fork
Nicholson, Harry, ss .... Nephi
Nielsen, Alfred C., ss .... Salt Lake City
Nielson, Alma C., c-So .... Fountain Green
Nielson, Don, ap-J ...... Mapleton
Nielsen, Emil K., ss .... Provo
Nielson, Exilda, fa-S ...... Monroe
Nielson, Faughn, e-So ...... Price
Nielsen, Jean C., a-S .... Idaho Falls, Idaho
Nielsen, Louise M., a-So .. Tooele
Nielson, Loya, c-S ...... Springville
Nielson, Merrell L., ap-F..Springville
Nielson, Otis P., ss ...... Fairview
Nielson, Reed S., G .. Springville
Nielson, V. Merrill, G ...... Salina
Nielson, Wayne H., a-F .... Mesa, Arizona
Nielson, Wendell L., e-J..Springville
Nisonger, W. Max, a-So .... Provo
Noall, Mae H., Sp .. Salt Lake City
Norberg, Lester M., ss .... Coalville
Nuttall, Hazel, ss .... Provo
Nuttall, Maurine ss .... Provo
Nuttall, Taylor, a-F..Salt Lake Ciy
Nuttall, Wilkins L., a-F .... Twin Falls, Ida.

Oakley, Dorothy L., a-J .... Provo
Oaks, LeRoy, Sp-So .... Montpelier, Idaho
Ockey, Edwina L., a-F ...... Price
Ogden, Anna, e-J ...... Richfield
Okelberry, Orval W., a-So..Goshen
Ollerton, Louise, a-F .... Provo
Olpin, Lawrence D., Sp .. Pl. Grove
Olpin, Donna, e-So ..Pleasant Grove
Olpin Ralph S., c-J..Pleasant Grove
Olson, Camille, e-J .... Moroni
Olsen, Cleona, fa-J .... LaJara, Colorado
Olson, C. P., ss .... Payson
Olsen, Donald P., fa-So .... Provo
Olsen, George A., ap-So .... Provo
Olson, George F., ss .... Fairview
Oleson, Grace C., ss .... Payson
Oleson, John F., ss .... Payson
Olsen, Joseph W. ss ...... Richfield
Olsen, Morris J., a-F .. Mt. Pleasant
Olson, Robert, c-F .... Provo
Omansen, John A., ss-Sp .... Provo
Orrock, Ted E., a-F .. Ely, Nevada
Osguthorpe, Elma, c-F .... Salt Lake City
Osmond, Marcia, e-S-ss .... Salt Lake City
Ostler, Dorothy, a-S..Salt Lake City
Ostler, Rose D., Sp .... Provo
Ott, James A., a-So....Henrieville
Ottosen, Helen, e-F .... Manti
Oveson, Melrose, e-F .... Cleveland

Pace, Alean S., ss .... Nephi
Pace, A. Lawrence, a-F.....Thistle
Pace, Paul H., ap-F .... Coalville
Pace, Verdell, c-F .... Price
Pack, Dean C., c-F .... Provo
Packard, Eliza, ss ...... Springville
Page, Bernice,, e-So ...... Riverton
Page, D. Eileen, e-So ...... Goshen
Pardoe, Kathryn B., Sp ...... Provo
Park, Donald A., c-F .. Gunnison
Parker, Grace, e-So..American Fork
Parker, Robert W., fa-F .... Mt. Airy, No. Carolina
Parry, Eleanor, ss .... Manti
Parry, Milton, c-F .... Thistle
Partridge, Carol, c-So .... Provo
Partridge, Lyman M., a-F....Provo
Passey, Alene, e-F .... Provo
Paulsen, Grace F., ss .... Provo
Paulsen, Wendell H., fa-Un..Provo
Paxman, Annie S., Sp ...... Provo
Paxman, Edith, fa-J .... Provo
Paxman, Lota A., c-J ...... Provo
Paxman, Ernest, ss .... Provo
Paxman, W. Rulon, a-S ...... Provo
Paxton Genevieve, c-F .... Kanosh
Paxton, F. Taft, c-J ...... Kanosh
Pay, Clarence H., ss ...... Nehpi
Payne, H. Berthell, c-So .... Provo
Payne, LaRue, c-Un .... Provo
Payne, Minnie, fa-So ...... Provo
Peacock, Morris W., e-F .... Orangeville

Pearce, David R., ss ...... Beaver
Pearson, Irvin B., ap-J .... Oakley
Peart, Mearl C., ap-F .. Randolph
Peck, Neva, e-F .... Beaver
Pennock, Hannah, ss..Salt Lake City
Penrod, Max W., ss .... Provo
Perkins, C. Blaine, ss ...... Price
Perry, Asahel A., ap-So-ss .. Vernal
Peters, Adele, e-S .... Provo
Peters, Elmo C., c-S..American Fork
Petersen, Eva M., ss ...... Bingham
Peterson, L. Elmer, ss .... Driggs, Idaho
Peterson, Henry E., a-F .... Cowley, Wyoming
Peterson, Hilda, ss ...... Fairview
Petersen, Homer U., a-F..Hinckley
Peterson, Howard, a-F ...... Provo
Petersen, Lavern H., fa-So..Hyrum
Peterson, H. Lester, ss .... Rexburg, Idaho
Peterson, Lloyd L., c-F ...... Provo
Peterson, Margaret, a-J .... Aberdeen, Ida.
Peterson, Norma C., c-So .. Fairview
Peterson, Orson W., e-F .... Castle Dale
Peterson, Parlell G., a-So....Provo
Peterson, Raymond F., fa-S .... Pleasant Grove
Peterson, Roxie, e-S .... Provo
Peterson, E. Smith, ap-J .... Lehi
Peterson, Wallace F., a-So .. Ogden
Petersen, Wayne B., ap-So .... Hinckley
Phelps, Hazel, Sp....Montpelier, Ida.
Phelps, E. Melba, e-F .... Salt Lake City
Phillips, Eileen M., e-So .... American Fork
Phillips, Gene Y., e-So ... Brigham
Phillips, A. LaVon, e-F .... American Fork
Phillips, Richard V., a-F..Brigham
Phillips, Ruth, ss .. Salt Lake City
Pierce, Cleo, ss .... Springville
Pierce, Ireta M., a-F..ElPaso, Texas
Pierce, Merlin D., c-F..ElPaso, Texas
Player, Mable, ss....Salt Lake City
Polly, Kenneth R., a-So ...... Provo
Polly, Orville L., G .... Provo
Poulson, Marion W., e-J-ss..Provo
Poulter, Lamont, e-S-ss ...... Price
Powelson, A. Marion, ss .. Provo
Preston, James P., ap-So .... American Fork
Price, Raymond, G .... Ogden
Price, William J., c-F ...... Lehi
Prince, Cleament, a-S .... Gooding, Idaho
Prince, Fenton J., a-S .... Gooding, Idaho
Prior, Hilda T., c-F .. Spanish Fork
Probert, Leo M., ss .... Scipio
Probst Cleopha R., ss .. Malad, Idaho
Probst, Reed G., ss ...... Midway
Prothero Dean J., Sp ...... Provo
Prows, Nora, a-F .... Provo
Pulsipher, John W., fa-S..St. George
Purrington, Frances L., e-J..Ogden
Purvance, W. Truxton, c-So .. Provo
Pyper, LaVon, ss .... Heber City
Pyne, Lucile, c-F .... Provo

Ralston, Mary, c-So .... Provo
Rambeau, Jean M., ss ...... Provo
Randall, Lorene ss .... North Ogden
Rasband, Irving K., c-S Heber City
Rasband, Lincoln, ap-F..Heber City
Rasband, Mary, ss .... Heber City
Rasband, Mima, ss .. Heber City
Rasmussen, Chrystal, e-F .. Ferron
Rasmussen, Boyd S., c-S, .. Richfield
Rasmussen, Irene, e-S .... Fillmore
Rasmussen, Lenore, ss ...... Provo
Rasmussen, Morris, Sp .. Fairview
Ray, Vern A., Sp .... Moab
Reardon, Treassa P., ss .... Salem
Redd, Daryl, c-F ...... Monticello
Redd, Merene, e-F ...... Blanding
Redden, J. Mervin, fa-J .... Provo
Redford, Lloyd, a-J .... Provo
Reece, Helen R., e-So ...... Payson
Reece, Madge, ss .... Payson
Rees, Clifton A. e-So .... Richfield
Rees, Lyman D., a-F .... Salt Lake City
Rees, Stanley D., a-So .... Salt Lake City
Reese, Margaret A., e-So .... Price
Reese, Rudolph P., a-So .... Provo
Reid, Carol, a-So .... Manti
Reid, Dortha, e-S-ss .... Provo
Reid, Ernest L., ss .... Abraham
Reid, Marjorie, e-F .... Orangeville
Reynolds, Allen C., ss .... Circleville
Reynolds, Hannah, Sp ...... Provo
Reynolds, Levi E., a-F ...... Provo
Rich, Beth, e-So ...... Paris, Idaho
Rich Clarence D., fa-J .... Morgan
Rich Stella P., G .... Provo
Richan, Raymond G., G ...... Provo
Richards, Fred G., ss .... Pleasant Grove
Richards, Georgia G., fa-J .... Salt Lake City
Richards, Wilford W., ss....Garland
Richardson, Milton E., a-F .... Spanish Fork

Richardson, Verdan J., ap-F .. Provo
Richardson, Vernon, a-S .... Thatcher, Arizona
Richins, Norene, ss ...... Coalville
Richmond, Dorothy, a-So .... Provo
Rigby, Florence P., ss ...... Provo
Rigby, Wendell M., ss ...... Provo
Rigtrup, Mary, e-J .. Spanish Fork
Ripple, Paul c-J .... Provo
Ritchie, Metta, ss .... Provo
Rivers, Marie F., c-F .. Springville
Roberts, Bee, e-F .... Delta
Roberts, Frank c-So-ss ...... Provo
Roberts Margaret L., e-So .... Spanish Fork
Roberts, Melvin J., c-So .... Rupert, Idaho
Roberts, Reva, e-So .... American Fork
Roberts, Zoe, e-F .... Delta
Robertson, Herbert A., a-S .... Spanish Fork
Robertson, Joseph A., c-J .... Fountain Green
Robertson, LeRoy J., Gss......Provo
Robbie, Harry W., a-F .... Provo
Robbins, C. Claude, fa-J .... Moreland, Idaho
Robbins, Enid, Sp .... Provo
Robins, Faye, ss .... Scipio
Robins, Kenith R., ss ...... Scipio
Robinson, Elma, A-F ...... Provo
Robinson, Ethel, ss .... Kanab
Robinson, Fern, e-So .. Am. Fork
Robinson, Meria, ss ...... Coalville
Robinson Orpha, a-J .... Am. Fork
Robinson, Phyllis, a-F .... Provo
Robinson, L. Ray, ss .... Logan
Robinson, Ruth, a-— .... Provo
Robison, Alpha J., e-So, Baker, Nev.
Robison, Bertha B., ss, Baker, Nev.
Robison, Burle, a-J .... Provo
Robison, Nella, ap-— .... Hinckley
Rockwood, Lewis F., c-So .... Salt Lake City
Rockwood, Wendall H., c-So .... Salt Lake City
Rogers, Mayola, e-F Snowflake, Ariz.
Rogers, Ofie J., ss .... Kanosh
Roland, Helen, ss .. Salt Lake City
Romney, Elwood S., a-J,.. St. George
Romney, Gaskell W., ap-F ....
Sandgren, Loraine, e-F ...... Provo
Romney, Golden, ss, Thatcher, Ariz.
Romney, Antone K., ss, Rexburg, Ida.
Romney, Leona, fa-J .. Chicago, Ill.
Romney, Marguerite, fa-So .... Colonia Juarez, Chih, Mexico
Romney, Stanley C., ap-J ...... Colonia Juarez, Chih, Mexico

Roper, H. Molen, a-F ...... Salem
Ross, Keith K., a-Un ...... Vernal
Rossiter, Ardath A., ss, Salt Lake City
Roundy, Amanda I., c-J .... Provo
Rowe, Francis, a-F ...... Sp. Fork
Rowe, Lewis E., ss, Los Vegas, Nev.
Rowe, G. Browning, a-J .... Provo
Rowe, Maggie B., ss .... Castle Dale
Rowe, Paul J., Sp .... Provo
Rowley, Edwardeen, ap-J-ss .. Provo
Rowley, Rinda, fa-F .... Provo
Royle, Maymetta, ap-F ...... Lehi
Russell, Max H., a-F .... Provo
Russell, Reed, a-So .... Tooele
Rust, Laura, e-J-ss .... Provo
Rust, Richard D., a-So ...... Provo
Ruthardt, Albin O.,, St, Anthony, Ida.

Sabin, IvaDell, c-So .... Nampa, Ida.
Sabin, Merrill R., a-So .... Salem
Sabin, V. David, c-F .. Nampa, Ida.
Sabin, Victor P., ap-F ...... Salem
Sager, J. Elmo, ap-J .... Am. Fork
Sager, Ferren N., fa-F .. Am. Fork
Salisbury, Howard E., fa-So .... Springville
Salisbury, Paul, Sp .... Provo
Sanford, Hunt L., a-F, Richfield, Ida.
Sandgren, Clyde D., c-S ...... Provo
Sandgren, Loraine e-F .... Provo
Selck, Leith L., ss ...... Menan, Ida.
Sargent, Alden P., a-So .... Kamas
Sargent, Sarah P., e-F .... Kamas
Sargent, Ned, e-F ...... Panguitch
Sauer, Gertrude, ap-J ...... Provo
Schofield, Enid, e-So .. Hiko, Nev.
Schofield, Josephine, Sp, Hiko, Nev.
Schofield, Pauline, a-S, Hiko, Nev.
Schow, I. Margaret, e-J ...... Lehi
Scorup, Stena, ss .... Salina
Scott, George C., ss .... Am. Fork
Scott, Ida B., e-J-ss ...... Provo
Scott, Melba, Sp .... Provo
Seaman, J. Gordon, c-So ......
Scott, G. Vernon, a-S .... Provo .... Salt Lake City
Searle, Kenneth D., ap-J, Am. Fork
Sears, Marguerite, a-F, Salt Lake City
Seastrand, Selma, e-So,.. Am. Fork
Seaton, May, a-So .... Price
Seegmiller, Keith, Sp .... St. George
Seegmiller, Marjorie E., c-F, Richfield
Seiter, Erika E., e-F .... Provo
Seeley, Ina M., c-F .... Mt. Pleasant
Seiter, Walter H., c-F .... Provo
Selck, Leith L., ss ....Menan, Idaho
Serpa, Richard, Sp .. Twin Falls, Ida
Shalfoon, Anthony V., a-Un .... Opotika, New Zeland
Sheen, W. Woodrow, c-F .... Salem

Sheffield, Donald H., e-S-ss .... Brigham, City
Shelley, Ethel, e-So ...... Am. Fork
Shelley, Velma, ss ...... Am. Fork
Shepherd, Laura, ss .... Provo
Shepherd, E. Lowell, a-F, Paris, Ida.
Sheppard, George L.,, Pima, Ariz.
Sheranian, Lorraine M., a-F, Murray
Shields, Lloyd, a-J .... Tooele
Shipp, Warren E., a-So ...... Beaver
Shober, Ernest E., c-J ...... Murray
Showalter, Blanche, Sp .. Panguitch
Shurtliff, Francis L., c-F .. Provo
Simkins, E. Marie, e-F .. Springville
Simmons, Dean, a-F .... Payson
Simmons, Jesse T., a-S, Rexburg, Ida.
Simper, Wayne G., a-F .... Murray
Simpson, Grace E., e-F.. Mt. Pleasant
Simpson, Lois, e-So ...... Heber City
Skeem, Leona I., e-F ...... Oasis
Skinner, Grace, e-J .... Beaver
Skinner, Lucille, a-F .... Provo
Skousen, Marvin, a-S, Chandler, Ariz.
Skousen, Willmirth, ss .... Colonia Juarez, Chih, Mexico
Smart, Henriette N., Sp-ss .... Provo
Smart, Herbert T., a-So ...... Provo
Smart, M. Neff, a-J .... Provo
Smart, Rowlee N., e-F ...... Provo
Smith, J. Aldwyn, C-So ...... Provo
Smith, W. Albert, ss ...... Ogden
Smith, Andrew O., a-So .... Snowflake, Ariz
Smith, Earl T., a-So .... Beaver
Smith, Eleanor, Sp. .... Provo
Smith, Ernest P., G ...... Pl. Grove
Smith, Ervine F., a-S-ss .. Pl. Grove
Smith. M. Foss, a-So Snowflake, Ariz.
Smith, A. Hastings, c-J, Springville
Smith, James Earl, e-J .... Payson
Smith, Jenniev J., e-J ...... Provo
Smith, Julia O., e-So ...... Ogden
Smith, Julina, G-ss .. Salt Lake City
Smith, LaRilla, ap-J ...... Beaver
Smith, Lois, a—,.. Salt Lake City
Smith, Max, c-T .... Lehi
Smith, Moroni W., ss-Sp .. Hyrum
Smith, Norma M.. e-So .... Payson
Smith, Phill O., a-J, Salt Lake City
Smith, Virgil J., c-So ...... Lehi
Smith, William C., ss, Snowflake, Ariz
Smoot, Fern, fa-J .... Provo
Smoot, Ruth P., ss, Salt Lake City
Smoot, Seth, a-F .... Provo
Smuin, Carma L., a-S-ss .... Ogden
Smurthwaite, Una J., ss, ... Salt Lake City
Snell, Alta H., e-So .... Provo
Snell, Esmond, a-F .... Provo
Snell, Heber C., ss .... Provo
Snell, Hillman C., a-So ...... Provo
Snell, Maude, e-F .... Provo
Snell, Morris R., ap-J ...... Provo
Snow, Claude S., fa-S ...... Provo
Snow, Edna, G .... St. George
Snow, Elda M., fa-J .... Provo
Snow, Ella P., ss .... Provo
Snow, Hattie T., Sp .... Provo
Snyder, Bert E., a-J ...... Sp. Fork
Snyder, Theron, a-F ...... Payson
Sorensen, Allen B., a-F .... Sp. Fork
Sorenson, Dortha, e-So .. Ruth, Nev.
Sorensen, Edna M., c-F .... Salt Lake City
Sorenson, Ferril M., e-So, Spring City
Sorenson, Virgie L., ap-J-ss .... Koosharem
Soulier, Clarence R., a-F .... Provo
Sowards, Anthony W., G ... Prov
Sowards, Josephine S., ap-So-ss, Provo
Sowards, Myrtle, c-So ...... Prov
Sowards, Willa L., a-F ...... Provo
Spafford, Louise, a-S-ss .... Provo
Spalding, Ardith, c-F ...... Provo
Spear, Grace, Sp .... Provo
Speckart, Florence E., a-J .. Provo
Speckart, Frank R., c-S .... Provo
Spencer, Alice, c-F .... Paris, Ida.
Spencer, Berdene, e-So .... Escalante
Spencer, Ethel S., ss .... Provo
Spencer, Leland S., c-J .... Provo
Spencer, Lucille, ss .. . Spring Lak
Spencer, Seymour, ss, Montpelier, Ida.
Spillman, Earl, ss, Telluride, Colo
Spillman, Elizabeth, ss, Telluride, Colo
Spilsbury, Erwin R., ss, Preston, Ida.
Stahr, J., Sterling, c-F ...... Ogden
Staker, Flossie, ss ...... Mt. Pleasant
Starr, Anna, ss ...... Springvill
Starr, Inez, e-J-ss ...... Springville
Startup, Elbert H., c-F .... Provo
Startup, Naomi, ss .... Provo
Steed, Dean R., c— .. Farmington
Steedman, W. Kenneth, a-F, ... Mammoth
Steele, Millie E., ap-F... Am. Fork
Stein, Harry C., Sp .... Provo
Stephens, Sylvan, a-So ...... Provo
Stephenson, Lohree N., Sp,.. Provo
Sterling, M. Helen, e-F ...... Provo
Stevens, Donald, Sp .... Prov
Stevenson, Hilda C., ss .. Garfield
Stevenson, Ilah, e-So .... Springville
Stevenson, Libbie A., e-So ....Mohrland ,Utah
Stewart, Ezra L., e-So .... Jensen
Stewart, Lucille, e-J .. Mt. Pleasant
Stewart, Virginia, e-F .... Sp. ForK
Stewart, Wiley, ap-Un .... Jensen
Stice, Harold K., c-F .... Am. Fork

Stimpson, John V., G ...... Provo
Stone, Dean A., c-F ...... Sp. Fork
Stone, Lynn, e-F .... Myton
Storrs, Betha, fa-S ...... Am. Fork
Storrs, Wilford L., a-So .. Am. Fork
Stowell, Derald B., fa-J .... Thatcher, Ariz.
Stowell, Lucile C., ss .... Springville
Stowell, Rhoda, c-So, Pocatello, Ida.
Stratford, Allen, c-J .... Ogden
Stratford, Robert P., c-F .... Ogden
Stratton, Ervin W., c-J,.. Hinckley
Strauser, Ethel M., e-S .... Sullivan, Missouri
Straw, William J., ... Springville
Street, Ruby K., c-F ...... Provo
Street, Virginia, c-F .... Payson
Strickler, Beulah, ap-S-ss .... Ogden
Strong, Jay, a-So ...... Springville
Stubbs, Alice A., Sp .... Provo
Summers, Helen R., a-J ...... Provo
Summerhays, Margaret, Sp-ss .. .. Salt Lake City
Sumner, LaPrele, ap-F ...... Provo
Sumner, Maline, Sp .... Provo
Sumsion, J. Clyde, c-J ...... Provc
Sumsion, Howard C., a-F Springville
Sundwall, Anna E., a-J .. Fairview
Sundwall, Harry W., c-So . Fairview
Sundwall, Katherine L., e-F .... Fairview
Swallow, Truman, G. ..... Meadow
Swapp, Farris C., e-J ...... Provo
Swenson, Joe C., c-F .... Provo
Swenson, Louise, a-S-ss ...... Provo
Swenson, Margaret D., ss .... Provo
Swenson, Martha T. e-F.. Sp. Fork
Swenson, Mildred, ap-F .. Pl. Grove
Swenson, A. Nell, ap-F .. Pl. Grove

Tanner, Gilbert L., a-So .... Provo
Tanner, Orea B., e ?S-ss, Rexburg Ida
Taylor, Ada, a-F .... ElPaso, Texas
Toylar, Aimie R., Sp ;........ Provo
Taylor, Alice, Sp .... Provo
Taylor, Bessie, ap-J .... Manti
Taylor, Delenna R., a-So .... Provo
Taylor, Ethel R., fa-Un .... Provo
Taylor, Fay, c-So, Idaho Falls, Idaho
Taylor, Fenton W., a-J, ... Thatcher, Ariz.
Taylor, Lamar A., c-F ElPaso, Texas
Taylor, Lola B., ss .... Ogden
Taylor, Margaret, fa-F .... Salt Lake City
Taylor, Marie H., ss ...... Provo
Taylor, Mary J., G .... Provo
Taylor, J. Max, ss .... Provo
Taylor, Pearl, fa-F.. Salt Lake City
Taylor, Preston N., a-J Banida, Ida.
Taylor, H. Rex, c-So ...... Levan
Taylor, Virginia, a-J ...... Provo
Taylor, Weldon, c-So .... Provo
Tenney, Lewis N., a-So .... Snowflake, Ariz.
Terry, Lillian, e-J .... Provo
Terry, Veloy, ss .. McKinnon, Wyo.
Tervort, Wilma, e-F .... Payson
Teuscher, Charles H., ss .... Montpelier, Idaho
Teuscher, Mona C., ss .... Montpelier. Idaho
Tew, William T., ss .... Mapleton
Thamert, LaDorise S., e-F .... Provo
Thatcher, Howard L., ap-J .. Payson
Thomas, Bob W., Sp .... Provo
Thomas, David G., ss .... Salt Lake City
Thomas, John, c-F .... Sp. Fork
Thomson, Cannon A., ss .... Salt Lake City
Thomson, Grant A., e-J .. Ephraim
Thorn, Howard A., c-F, Springville
Thorne, Richard H., G, Springville
Thorne, J. Roe, ap-F .. Springville
Thorne, Ruth, ap-F .... Provo
Thornock, Owen, a-J, ... Bloomington, Ida.
Thornton, Read, c-So .... Provo
Thorpe, C. Christy, ss-Sp .. Axtell
Thorpe, Russell A., c-F . Springville
Tietjen, Naomi, e-J ...... Santaquin
Tippetts, Mary C., c-So .. Sp. Fork
Tobler, Ezra, e-J ...... Santa Clara
Tolboe, Lois, e-So .... Provo
Tolhurst, Delsa, ss .... Paysen
Toone, Clair, c-F .. Salt Lake City
Toone, Clifford S., c-S, Gooding, Ida.
Toone, Theodore P., c-S .... Gooding, Idahc
Towers, Esther, e-J .... Eureka
Tregeagle, Delbert V., c-S .. Provo
Trinnaman, Homer J., ap-F .. Lehi
Tucker, George W., ss .... Provo
Tucker, J, Glen, a-F, Oakland, Calif.
Tucker, Laura, ss .... Provo
Tucker, Rebecca P., c-F ...... Provo
Tucker, G. Webster, G ...... Provo
Tueller, Elvena, e-J .... Provo
Tuft, Calvin F., ss .. Huntington
Turner, Floy L., ss .... Kamas
Turner, Genevieve, ss .. Kaysville
Tuttle, Elliott, ss .... Provo
Tuttle, Lucille, G .... Manti

Ungricht, LaVerne S., c-F . Rolapp
Utley, Ray, ss .... Richfield

Vance, E. Merle, e-J .. Jerome, Ida.
Vance, R. Wendell, c-So .... Provo
VanCott, Frank A., fa-So .... Salt Lake City
VanCott, Helen M., ss, Salt Lake City
Van Leuven, Lyda H., ss .. Provo
VanPatten, Boyce, c-J .. Springville
VanWagenen, Fay E., Sp .... Provo
VanWagenen, Frank A., c-So, Provo
Vernon, William M., ss .... Provo
Vest, H. Grant, a-J .... Am. Fork
Vest, Niles, a-F .... Payson
Vest, Wm. Veloy, a-J ...... Mona
Vincent, C. Glen, Sp-ss .... Provo
Vincent, Mrs. Paul D., Sp .. Provo
Vincent, Rowe H., c-S .... Provo
Vorkink, Hazel W., ss, Glendale, Calif.

Wadley, LaVere J,. G .... Pl. Grove
Wadley, Lucille, e-So .... Pl. Grove
Wagstaff, David E., ap-F . Am. Fork
Wagstaff, J. Lloyd, ap-F, Am. Fork
Wakefield, Clinton, ss, Huntington
Wakefield, Bruce, fa-F . Huntington
Waldram, Marie, a-S, Sugar City, Ida.
Waldram, Ruth, fa-F, Sugar City, Ida
Waldram, Venese, fa-J .... Sugar City, Ida.
Walker, David S., a-F,.... Pl. Grove
Walker, Della, e-So .... Peoa
Walker, Jennie, e-F ...... Pl. Grove
Walker, Lorenzo S., ap-S .... Salt Lake City
Walker, Muriel, ap-F ...... Pl. Grov
Walker, Verle, e-So .... Peoa
Walker, Paul K. ss .... Nephi
Walker, Muriel, ap-F .... Pl. Grove
Walker, Verle, e-So .... Peoa
Walker, Paul K., ss .... Nephi

Walker, Virginia, a-J .. Pl. Grove
Wallentine, Davis E., a-F, Paris, Ida.
Wallentine, Wallace R., G, Paris, Ida.
Wangsgard, Keith, G ...... Ogden
Wanlass, Glen L., a-J .... Lehi
Ward, Mary, ap-J .. Idaho Falls, Ida.
Warner, Clifford E., c-F .. Sp. Fork
Warner, Max L., a-F .... Provo
Warner, Roy H., Sp. .... Provo
Warner, Thelma, ss .... Nephi
Warnick, Carl G., c-F .... Provo
Warnick, Don C., c-F .... Provo
Warnick, Effie, ss .... Pl. Grove
Washburn, Barr V., c-S ...... Provo
Washburn, H. Clyde, a-F .... Provo
Washburn, Don E., G .... Provo
Washburn, Jesse A., e-F .... Draper
Washburn, V. Fred, a-F .... Provo
Washburn, Jesse A., ss ...... Provo
Washburn, Lydia, e-F .... Blanding
Washburn, Vernis, e-F .... Blanding
Waters, J. Vaur, a-So .... Sp. Fork
Watkins, Nedra, a-F .... Provo
Watson, Henry R., a-S ...... Ogden
Watts, Bethel, ss .... Moab
Watts, J. Clayton, ss-Sp, Centerfield
Watts, Mrs. J. Clayton, ss .... Centerfield
Webb, Fred N., fa-J-ss ...... Provo
Webb, R. Glenn, fa-S-ss .... Lehi
Webb, Lynn R., c-F .... Lehi
Webb, Ross, c-F .... Castle Gate
Weight, Karl R., c-F .. Springville
Weight, Nolan G., a-So, Springville
Weight, Reed L., ss-Sp ...... Provo
Weight, Wilford, c-F .. Springville
Wells, Allen T., a-So .... Lehi
Wells, Claire T., a-S-ss .... Lehi
Wells, Lavinia, ss .. Logandale, Nev.
Wentz, Monta, fa-S .... Provo
Wentz, Myrl, e-Un-ss ...... Provo
Wentz, H. Vernon, ss ...... Provo
West, Byron, ap-F ...... Pl. Grove
West, James R., ap-F .... Sp. Fork
Westenskow, Fern, ap-J .... Manti
Western, Mary G., ss .... Deseret
Westover, Elden G., e-S Huntington
Westwood, David, a-Un-ss .... Provo
Westwood, James B., a-S-ss .. Provo
Whatcott, H. Devello, sp-ss .. Provo
Wheeler, Goldie G., ss,. Silver City
Wheeler, Jos, E., Sp .... Provo
Wheeler, Mable, e-J .... Springville
Wheelwright, Annie L., ap-S-ss, ... Ogden
Whetten, Lester B., a-S-ss .. Provo
Whetten, Loren A., c-J .... Colonia Juarez, Chih, Mexico
Whimpey, Violet, c-Un ...... Lehi
Whipple, Miriam, ss .... Lehi
Whitaker, Susan M., a-F .... Provo
Whitaker, Warren S., c-S .. Provo
White, Faye, e-So .... Payson
White, F. Fay, Sp .... Provo
White, Florence M., ap-J .... St. Anthony, Idaho
Whitehead, Joseph, fa-J, ... Los Angeles, Calif
Whiting, Ruth, ap-F .... Mapleton
Whiting, Vernon, Sp ...... Payson
Whitman, Jay, a-So .... Lehi
Whitman, Lawrence S., fa-So-ss .... Mt. Pleasant
Whittle, Cyril M., a-So, Preston, Ida.
Wignal, J. Earl, c-F .... Provo
Wilhite, Ada L., e-S-ss, Buhl, Ida.
Wilkins, Dell S., ss .... Mesa, Ariz.
Wilkins, Joseph R., ss, Mesa, Ariz.
Wilkinson, Glen A., c-J .... Ogden

Willardsen, George C., e-S . Ephraim
Willey, R. DeVerl, ss .. Byron. Wyo.
Willey, Ivan, a-F .... Byron, Wyo.
Willey, True, a-F .... Byron, Wyo.
Williams, Alberta, a-So .. Morgan
Williams, Daraline, fa-J . Sp. Fork
Williams, Dee A., c-F .... Morgan
Williams, Fenton L., ss .... Ferron
Williams, Ralph R., e-So .. Beaver
Williams, Russell S., ss, Columbia, Ut.
Wilson, Bill W., a-F .... Provo
Wilson, Dale B., ap-So .... Payson
Wilson, Frank R., G ...... Provo
Wilson, J. Harold, c-J .... Payson
Wilson, Jesse E., a-F ...... Payson
Wilson, Mabel G., c-J ...... Nephi
Wilson, Marguerite I., ss .... Salt Lake City
Wilson, O. Meredith, a-So .... Provo
Wilson, Stanley, ss .... Payson
Wing, Arva D., c-F .... Lehi
Wing, John H., G .... Am. Fork
Wing, Mariam D., ap-S .. Am. Fork
Wing, Sherman W., a-F .. Am. Fork
Wing, Therese F., e-So-ss Mt. Pleasant
Winkler, Aurel P., G .. Mt. Pleasant
Winkler, Louise, c-F-ss . Buhl, Ida.
Winterton, Olive E., a-F .... Provo
Winterton, Zelma E., a-S .... Provo
Wiscombe, Morris W., fa-F .. Provo
Wiscombe, Ronald, a-So .. Roosevelt
Wittwer, Reed, e-S .. Santa, Clara
Wood, John K., ss .... Logan
Wood, Lothair D., a-F .... Sp. Fork
Wood, Reed A., c-S .... Holden
Woodbury, John T., ss .. St. George
Woodhouse, Clara, fa-J .... Beaver
Woodland, Eloise, e-F . Malad, Ida.
Woodward, Emily, ss ...... Provo
Woolley, Bessie, a-F ...... Manti
Woolston, Harold W., fa-J .... Lehi
Workman, German B., ss .. Neola
Worsley, Helen B., ap-So .... Provo
Worsley, Sadie P., G ...... Provo
Worthen, Ralph, Sp .... Provo
Wright, Beth A., e-J-ss ...... Provo
Wright, Donald, a-F ...... Pl. Grove
Wright, George M., ss .... Hinckley
Wright, Glade, a-So .... Hinckley
Wright, Janus E., ap-So .. Hinckley
Wright, Lynne A., c-So .... Provo
Wright, Thelma, ss ...... Pl. Grove
Wright, Vesta, ap-S, Idaho Falls, Ida.

Yorgason, Robert R., a-S .... Burlington, Wyo.
Youd, Stella, e-So ...... Sp. Fork
Young, Delbert H., a-So .. Am. Fork
Young, Edith, a-So ...... Am. Fork
Young, Jesse L., ss ...... Fairview
Young, Leland T., a-F ...... Price
Young, Mildred K., e-F .. Am. Fork
Young, Newel K., ss .... Provo
Young, Sarah, e-So .... Provo
Young, William E., ss .. Heber City

Zabel, Edwin A., ss, Spokane, Wash.
Zabriskie, Max D., c-Sp ...... Provo

ENROLLMENT OF STUDENTS

Summary of Students for 1931-1932

Graduates	78	
Seniors	180	
Juniors	279	
Sophomores	320	
Freshmen	486	
Specials	150	
Unmatriculated	26	1519
Summer School 1931:		
Graduates	145	
Other University Students	400	545
Correspondence and Extension Students		363
Secondary Training School:		
Senior High School	115	
Junior High School	73	188
Elementary Training School		246
		2861
Less those counted more than once		309
Number receiving institutional credit		2552

Accounting and Business Administration 74
Administrative Officers 6
Admission 56
Agricultural Club 42
Agronomy 81
Alpha Kappa Psi 46
Animal Husbandry 85
Art 89
Art Club 42
Associated Students 39
Associated Women Students 40
Awards 48
Beta Beta Beta 46
Block "Y" Club 40
Board of Trustees 4
Botany 95
B. Y. U. Women's Organization 46
Calendar 5
Chemistry 100
Church School Officers 4
Classification of Students 58
Clothing and Textiles 149
Clubs and Societies 41
College of Applied Science 68
College of Arts and Sciences 68
College of Commerce 69
College of Education 69
College of Fine Arts 72
Committees, Standing 27
Course Divisions 57
Correspondence Courses 266
Courses of Instruction 74
Credits 59
David Starr Jordan Biology Club 45
Dean of Women 51
Departments of Instruction 35
Delta Phi 44
Discipline 50
Drama League, The 42
Drawing 168
Economics 107
Educational Administration 112
Election of Studies 57
Elementary Education 118
Elementary School Faculty 275
Endowments 38
Engineering 171

English 125
Entomology 257
Extension Division, The 260
Faculty 7
Faculty Fine Arts Club 47
Faculties, L. D. S. Institutes and Seminaries 28
Faculty Forum 47
Fees 36
Finance and Banking 133
Foods and Nutrition 151
French 175
French, German and Spanish Clubs 43
Gamma Phi Omicron 43
General Requirements 56
Geology and Geography 135
German 172
Graduate Club 45
Graduate School 63
Graduates 284
Graduation 60
Group Requirements 61
History of University 31
History 142
Home Economics 148
Home Economics Club 43
Horticulture 158
Household Administration 155
Instrumental Music 185
Latin 181
Leadership Week 265
Library 52-161
Literary Club, The 43
Loan Funds 38
Lyceum 73
Major and Minor Requirements 62
Master Degree Requirements 64
Mathematics 161
Mechanic Arts 164
Medical Director, Function of 51
Modern and Classical Languages 172
Music 182
Music Society 44
Office Practice 190
Organization of University 34
Phi Delta Pi 46
Philosophy of Education 204
Phonetics 182
Physical Education 191
Physics 199

Political Science 210
Presidents' Club 40
Psychology 215
Psychology Club 44
Religious Education 220
Scholarships and Prizes 47
Scholarship Honors 65
Secondary Education 234
Secondary Training School Curriculum 279
Senior High School Courses 282
Social Unit Organization 41
Sociology 240
Spanish 179
Special Scientific Collections 53
Speech 246
Student Body Prizes and Awards 40
Student Expenses 37
Summer Session 73
Tau Kappa Alpha 46
Theory of Music 182
Theta Alpha Phi 46
Training Schools 275
Vocal Music 189
Woodwork 152
Y Chemical Society, The 45
Young Commerce Club 44
Young Women's Missionary Club 44
Y. E. A. 44
Zoology and Entomology 253

BRIGHAM YOUNG UNIVERSITY
QUARTERLY

Catalogue Number

FOR THE SCHOOL YEAR
1933-1934

PUBLISHED BY THE
BRIGHAM YOUNG UNIVERSITY
PROVO, UTAH

1933

JANUARY

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ARTHUR WINTER, Secretary-Treasurer

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THOMAS N. TAYLOR
J. WM. KNIGHT
STEPHEN L. CHIPMAN

University Calendar

1933

AUTUMN QUARTER

September 18—First Faculty Meeting. Opening of Training School.

September 22 and 23—Registration days. Freshman instructions and examinations.

September 25—Registration continued.

September 26—Instruction begins.

October 16—Founder's Day.

November 29 to December 4 (Wednesday evening until Monday morning)—Thanksgiving Recess.

December 22—Autumn Quarter closes.

1934

January 8—Winter Quarter begins.

January 29 to February 2—Leadership Week.

March 23—Winter Quarter closes.

SPRING QUARTER

March 26—Spring Quarter begins.

June 3—Baccalaureate services.

June 5—Alumni Reunions.

June 6—Fifty-Eighth Commencement Exercises.

June 11—Summer Quarter begins.

Administrative Officers

Franklin S. Harris	President
Kiefer B. Sauls	Secretary to the President Purchasing Agent
Edward H. Holt	Secretary-Treasurer
Carma Ballif	Assistant in Secretary's Office
John E. Hayes	Registrar
Christen Jensen	Dean of the Graduate School
Carl F. Eyring	Dean of the College of Arts and Sciences
Herald R. Clark	Acting Dean of the College of Commerce
Amos N. Merrill	Acting Dean of the College of Education
Gerrit de Jong, Jr.	Dean of the College of Fine Arts
Lowry Nelson	Dean of the College of Applied Science Director Extension Division
Hugh M. Woodward	Dean of the Summer Session
Nettie Neff Smart	Dean of Women
Lloyd L. Cullimore	Medical Director
Edgar M. Jensen	Director Training Schools
Anna Ollorton	Librarian

The Faculty*

FRANKLIN STEWART HARRIS..................................**President**

B. S., Brigham Young University, 1907; Ph. D., Cornell University, 1911; Student University of Paris, 1927; Instructor, Juarez Academy, 1904-05; Assistant Chemist, Utah Experiment Station, 1907-08; Instructor in Soils, Cornell University, 1907-08; Professor of Agronomy, Utah Agricultural College and Agronomist Utah Experiment Station, 1911-21; Director School Agricultural Engineering and Mechanic Arts, 1912-16; Director Utah Experiment Station, 1916-21; President Brigham Young University, 1921—.

JOHN C. SWENSON......**Professor of Economics and Sociology**

A. B., Stanford University, 1898; M. A., Columbia University, 1921; Graduate work, Columbia University, Summer of 1924; Assistant Professor of English, Brigham Young University, 1898-99; Professor of History and Economics, 1899-1900; Dean of College of Education, 1921-24; Professor of Economics and Sociology, 1906—.

CHARLES E. MAW...............................**Professor of Chemistry**

A. B., Stanford University, 1903; S. M., University of Chicago, 1916; Ph. D., Stanford University, 1924 Graduate work, Columbia University, 1916; University of California, 1923; Professor of Chemistry, Brigham Young University, 1903—.

ALFRED OSMOND ....**Professor of English, Emeritus**

A. B., Harvard University, 1903; M. A., Columbia University, 1920; Graduate work, University of Chicago, Summer of 1913; Columbia University, Summer of 1920 and the school year 1930-31; Professor of English, Brigham Young University, 1903—.

CHRISTEN JENSEN............**Professor of History and Political Science, Dean of Graduate School**

A. B., University of Utah, 1907; A. M., Harvard University, 1908; Ph. D., University of Chicago, 1921; Graduate work, University of California, Summer of 1915; Study in Europe, 1928; Assistant Professor of History and Political Science, Brigham

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*The University Council consists of the President and all members of the faculty with the rank of professor, associate professor, or assistant professor.

Young University, 1908-11; Professor, 1911—; Acting Dean College of Applied Science, 1924-29; Dean Graduate School, 1929—.

ELBERT H. EASTMOND................................**Professor of Art**

Diploma in Normal Art and Manual Training, Pratt Institute, 1902; B. Pd., Brigham Young University, 1906; Student, California School of Fine Arts, Summer, 1915; University of California, and California School of Arts and Crafts, Summers of 1916 and 1923; Rionido School of Art, Summer of 1918; University of Washington, 1923; European Travel Study, 1924; Professor of Art, Brigham Young University, 1904—.

AMOS N. MERRILL...............**Professor of Secondary Education**
Acting Dean of College of Education

B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D., Stanford University, 1926; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1910-22; Dean of Church Teachers' College, 1917-23; Professor of Secondary Education and Supervisor of Secondary Training, 1924—.

EDWARD H. HOLT........................**Professor of Office Practice,**
Secretary of the Faculty

B. Pd., Brigham Young University, 1895; Assistant Professor, 1895-1902; Professor of Busines Education, 1902-21; Professor of Office Practice, 1921—.

ALICE L. REYNOLDS..............**Professor of English Literature**

A. B., Brigham Young University, 1910; Graduate work, University of London, 1911; Two years Graduate work, European Universities; University of California, 1923; Columbia University, 1932-33; Instructor in English, Brigham Young University, 1894-1911; Professor of English Literature, Brigham Young University, 1911—.

CARL F. EYRING..........**Professor of Physics and Mathematics**
Dean of the College of Arts and Sciences

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Research Specialist, Bell Telephone Laboratories, 1929-

31; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17; Professor of Physics and Mathematics, 1917—; Dean of the College of Arts and Sciences, 1924—.

VILATE ELLIOTT......................**Professor of Home Economics**

B. Pd., Brigham Young University, 1895; Graduate work Pratt Institute 1907-08; Student State Normal School Santa Barbara, California, 1919-20; University of Chicago, 1922; Study in Europe, 1924-25; Floating University, 1930-31; Professor of Home Economics, Brigham Young University, 1908—.

BENJAMIN F. CUMMINGS..................**Professor of Modern and Classical Languages**

A. B., University of Utah, 1913; Graduate work University of Utah, 1920-22; University of Chicago, Summer of 1922; Stanford University, 1923-24; University of Paris, 1930-31; Instructor Modern Languages, Latter-day Saints University, 1910-12; 1914-20; Instructor Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920—.

FLORENCE JEPPERSON MADSEN............**Professor of Music**

Music Diploma, Brigham Young University, 1905; Diploma, New England Conservatory of Music, 1909; Diploma, Chicago Musical College, 1925; B. M., 1926; M. M., 1927; Doctor of Music, Boguslawski College of Music, 1932; Graduate Work in Music, New England Conservatory of Music, 1909-10; Private work, New York, 1919-20; Director, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal Art, L. D. S. School of Music and Weber College, 1916-18; Instructor Chicago Musical College Summers of 1927-28; Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920—; Director of Music Mission Play, California, 1928-29; Director of Music, The McGroarty Plays, California, 1930.

THOMAS L. MARTIN..............................**Professor of Agronomy**

A. B., Brigham Young University, 1912; Ph. D., Cornell University, 1919; Study in Europe, 1930; Principal, Big Horn Academy, 1912-15; Emery Stake Academy, 1916-17; Millard Academy, 1919-21; Instructor in Soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921—.

HUGH M. WOODWARD..................**Professor of Philosophy of Education, Dean of Summer Session**

A. B., Brigham Young University, 1911; M. A., University of Utah, 1918; Ph. D., University of California, 1920; Principal, St. George Academy, 1911-14; President Dixie Normal College, 1914-20; Fellow-Teacher, University of California, 1919-20; Assistant Director Educational Work, Bureau of Public Health, Washington, D. C., 1920-21; Professor of Education, University of Washington, Summer of 1925; Dean of Summer Session, Brigham Young University, 1921-27; 1930—; Professor on University Afloat, 1928-29; Professor of Philosophy of Education, Brigham Young University, 1921—.

WILLIAM J. SNOW....................................**Professor of History**

A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Principal, Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor of History, 1917—.

T. EARL PARDOE...**Professor of Speech**

Graduate of Leland Powers School, 1913; A. B., Brigham Young University, 1925; Graduate work Columbia University, 1924-25; Speech Correction, University of Southern California, 1929-31; M. A., University of Southern California, 1932; Head of Department of Dramatic Art and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor, 1922—.

M. WILFORD POULSON......................**Professor of Psychology**

A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate work, University of Chicago, 7½ Quarters from 1916 to 1925; Assistant Professor of Education, Brigham Young University, 1916-19; Associate Professor, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

VASCO M. TANNER........**Professor of Zoology and Entomology**

A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head of Department of Biology, Dixie College, 1916-18, 1920-24; Professor of Zoology and Entomology, Brigham Young University, 1925—.

HERALD R. CLARK............**Professor of Finance and Banking, Acting Dean of the College of Commerce**

A. B., Brigham Young University, 1918; M. B. A., University of Washington, 1924; Graduate work Ohio State University, 1927-28; Instructor in Accounting, Brigham Young University, 1913-17; Assistant Professor of Finance and Banking, 1917-27; Associate Professor of Finance and Banking, 1927-28; Professor, 1928—.

PARLEY A. CHRISTENSEN....................**Professor of English**

B. S., Utah Agricultural College, 1914; A. M., Stanford University, 1925; Ph. D., Stanford University, 1927; Student University of California, Summer of 1915; Assistant Professor of English, Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor of English, Brigham Young University, 1927-28; Professor, 1928—.

G. OTT ROMNEY.......................**Professor of Physical Education and Director of Athletics**

A. B., University of Utah, 1912; M. A., University of Utah, 1913; Harvard University, Graduate School of Business Administration, 1913-14; B. S., Montana State College, 1916; Athletic Coach and Instructor, Billings (Montana) High School, 1916-1918; U. S. Naval Aviation, 1918-19; Director Physical Education and Athletic Coach, East Salt Lake High School, 1919-1922; Director of Athletics, Professor of Physical Education and Vice-Dean of Men, Montana State College, 1922-28; Instructor (History, Government, Economics) Montana State Normal College, Summers of 1926-27-28; Professor of Physical Education and Director of Athletics, Brigham Young University, 1928—.

GERRIT de JONG, JR.............**Professor of Modern Languages Dean of College of Fine Arts**

A. B., University of Utah, 1920; M. A., 1925; Graduate work, National University of Mexico, 1921; University of Utah, Summers of 1923 to 1925; University of Munich, 1927; Stanford University the school year 1931-32; Instructor Murdock Academy, 1916-

18; Instructor, Latter-Day Saints University, 1919-25; Associate Professor of Modern Languages, Brigham Young University, 1925-29; Professor 1929—; Dean of College of Fine Arts, Brigham Young University, 1925—.

LOWRY NELSON............**Professor of Rural Social Economics,**
Dean College of Applied Science,
Director of Extension Division

B. S., Utah Agricultural College, 1916; M. S., University of Wisconsin, 1924; Ph. D., University of Wisconsin, 1929; Assistant State Leader County Agents, Utah Agricultural College, 1917-1918; Editor Utah Farmer, 1920-1921; Director of Extension Division, Brigham Young University, 1921—; Assistant Professor of Sociology, 1924-27; Associate Professor of Sociology, 1927-29; Professor of Rural Social Economics and Dean of College of Applied Science, Brigham Young University, 1929—.

GEORGE H. HANSEN......**Professor of Geology and Geography**

B. S., Utah Agricultural College, 1918; M. S., George Washington University, 1925; Ph. D. George Washington University, 1927; Field Work with U. S. Geological Survey, Summers of 1918, 1925, 1926 in Utah, Colorado and New Mexico; Assistant Professor of Geology and Geography, Brigham Young University, 1927-29; Professor of Geology and Geography, 1929—.

ELMER MILLER....................................**Professor of Economics**

A. B., Stanford University, 1914; Graduate work, Stanford University, 1914-15; 1929-30; University of Chicago, Summers of 1916 and 1919; University of California, Summers of 1918 and 1921; Instructor Dixie Normal College, 1911-12; Principal Pleasant Grove High School, 1915-16; Principal South Sanpete High School, 1916-17; Lehi High School, 1917-19; Davis County High School, 1919-22; Superintendent Alpine School District, 1922-25; Associate Professor of Economics. Brigham Young University, 1923-29; Professor of Economics, 1930—.

MILTON MARSHALL...................................**Professor of Physics**

A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor of Physics, Brigham Young University, 1919-21; Assistant Professor, 1924-27; Associate Professor, 1927-30; Professor, 1930—.

GUY C. WILSON..................**Professor of Religious Education**

B. Pd., Brigham Young University, 1900; Summer Schools of Brigham Young University, University of Utah, University of Chicago, Columbia University; Instructor, Brigham Young University, 1896-97; Columbia University the school year, 1912 to 1913; Principal Juarez Stake Academy, 1897-1912; Teacher of Granite Seminary, 1913-15; President Latter-Day Saints University, 1915-26; Supervisor of Religious Education, 1926-30; Professor of Religious Education, Brigham Young University, 1930—.

BENT F. LARSEN..**Professor of Art**

A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Student of University of Chicago, Summer of 1912; of Art Institute of Chicago, Summer of 1922; Graduate work, Academie Julian, Paris, 1923-24; Academie Colarossi, Paris, 1923; Academie de La Grande Chaumiere, Paris, 1924; Student in Europe for sixteen months, 1929-30, with George Elmer Brown Art Group and in the Academie Andre' L'Hote; Supervisor of Art, B. Y. U. Training School, 1908-12; Associate Professor of Art, 1912-1931; Professor of Art, 1931—.

LEROY J. ROBERTSON..............................**Professor of Music**

Graduate of New England Conservatory of Music, 1923; A. B., Brigham Young University, 1932; M. A., Brigham Young University, 1932; Study in Europe, 1932-33; Instructor North Cache High School, 1923-24; Pleasant Grove High School, 1924-25; Instructor of Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor of Music, 1927-31; Professor of Music, 1931—.

HARRISON R. MERRILL...................**Professor of Journalism**

B. S., Utah Agricultural College, 1916; Graduate work, Utah Agricultural College, 1920; Brigham Young University, Summers of 1921 to 1923; Medill School of Journalism, Northwestern University, 1927; M. S., Pulitser School of Journalism, Columbia University, 1930; Instructor in English, Oneida Academy, 1912-20; Instructor in English, Brigham Young University, 1921-23; Assistant Professor, 1923-29; Associate Professor of English, 1930-31; Professor of Journalism, 1931—.

FRANKLIN MADSEN..**Professor of Music**

Graduate, New England Conservatory of Music, 1915; student of European Music Teachers, 1912-13-14 and 1923; A. B., Brigham Young University, 1925. M. A., Brigham Young University, 1931. From the Chicago Musical College, Graduate Diploma, 1925; Teachers' Certificate in Vocal Art and Singing, 1927; B. M., 1926, M. M., 1927; B. M. E., 1928; Mus. Doc., 1929; M. M. E. (Master of Music Education), 1932; Honorary Doctor of Music Education from Bogulawski College of Music, 1933; Supervisor of Music Jordan District and Instructor in Music Jordan High School, 1916-17; Supervisor of Music Nebo District and Instructor in Music Springville High School, 1917-18; Magna High School, 1919-20; Instructor Chicago Musical College, Summers of 1927-28-29-30-31-32, and the winter of 1927-28; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924-30; Associate Professor of Music, 1930-31; Professor of Music, 1931—.

GEORGE STEWART....................**Special Professor of Agronomy**

B. S., U. S. A. C., 1913; M. S. Cornell University, 1918; Ph. D., University of Minnesota, 1926; Professor of Agronomy, U. S. A. C., 1919-1930; Senior Ecologist, Branch Research U. S. Forest Service, 1930—; Special Professor of Agronomy, Brigham Young University, 1932—.

LLOYD L. CULLIMORE..**Medical Director**

B. S., University of Utah, 1922; M. D., George Washington Medical College, 1925; Instructor in Physiology, George Washington Medical College, 1925-26; Utah State Board of Health, Epidemiology, Child Health Department, 1926-1927; Health Education, Brigham Young University, Summer of 1927; Assistant Medical Director, 1928-29; Medical Director, 1929—.

L. WESTON OAKS..............................**Associate Medical Director**

M. D., Jefferson Medical College, 1919; Graduate work, Colorado Congress Otolaryngology, Denver, Summers of 1923, 1924, and 1925; Assistant Medical Director, Brigham Young University, 1924-1925; Medical Director, 1925-29; Associate Medical Director, 1929—.

ROBERT SAUER..............................**Associate Professor of Music**

Graduate of Music School of Dresden, Germany; Student Siegel Meyer Music Conservatory of Chicago, 1905; Instructor of Music, Brigham Young University, 1905-20; Assistant Professor of Music, 1920-24; Associate Professor of Music, 1924—.

J. MARINUS JENSEN*..................**Associate Professor of English**

A. B., Brigham Young University, 1912; M. A., University of Chicago, 1919; Graduate work University of California, Summer of 1920; Stanford University, 1924-25; Instructor in English, Brigham Young University, 1910-19; Assistant Professor of English, 1919-21; Associate Professor, 1921—.

HORACE G. MERRILL......................**Associate Medical Director**

A. B., Brigham Young University, 1914; M. D., Jefferson Medical College, 1908; F. A. C. S., American College of Surgeons, 1922; Graduate work, University of Edinburgh, 1913; University of Pennsylvania, 1921-22; North Chicago Hospital, 1915-16; Associate Medical Director, Brigham Young University, 1922—.

JOSEPH SUDWEEKS..................................**Associate Professor of Educational Administration**

B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-1923; Assistant in Department of Education, University of Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.

CLARENCE S. BOYLE.........**Associate Professor of Accounting and Business Administration**

B. S., Brigham Young University, 1924; M. S. in Retailing, New York University, 1926; Graduate work, New York University, Summer of 1926, Winter of 1926-27, Summer of 1927; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927—.

EFFIE WARNICK.......**Associate Professor of Home Economics**

B. S., Utah Agricultural College, 1914; Graduate work, Summer of 1915; Columbia University, Summer of 1921; University of California, Summer of 1925; Graduate Work University of Chicago, 1928-1929; Instructor, Branch Agricultural College, 1914-

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*On leave of absence.

15; Pleasant Grove High School, 1915-22; Instructor in Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration, 1923-27; Assistant Professor 1927-30; Associate Professor, 1930—.

WAYNE B. HALES..**Associate Professor of Physics and Mathematics**

A. B., Brigham Young University, 1916; M. A., University of Utah, 1922; Ph. D., California Institute of Technology, 1926; Head of Physics and Mathematics Department, Ricks College, 1916-21; President, Snow College, 1921-1924; Teaching Fellow, California Institute, 1924-1926; Head of Physics Department, Weber College, 1926-30; Associate Professor of Physics, Brigham Young University, 1930—.

LAVAL S. MORRIS..**Associate Professor of Landscape Architecture**

B. S., Utah Agricultural College, 1923; M. S., Michigan State College, 1926; Graduate work, University of Southern California, 1930; at Harvard, 1930-33; Instructor in Horticulture, Brigham Young University, 1923-26; Assistant Professor, 1926-31; Associate Professor, 1931—.

ASAEL C. LAMBERT*....................................**Associate Professor of Educational Administration**

B. S., Brigham Young University, 1925; M. S., 1926; Graduate work Stanford University Summer quarters, 1928-29-30; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal, University High School, 1926-28; Assistant Professor of Secondary Teaching, 1927-32; Associate Professor, 1932—.

SIDNEY B. SPERRY......................................**Associate Professor of Religious Education**

A. B., University of Utah, 1917; M. A., University of Chicago, 1926; Ph. D., University of Chicago, 1931; Graduate work, American School of Oriental Research, Jerusalem, Palestine, 1931-32; Principal American Fork Seminary, 1922-24; Weber Seminary, 1924-25; Moroni Seminary, 1925-26; Pocatello Seminary and Institute, 1927-28; Director L. D. S. Institute, Moscow, Idaho, 1929-31; Associate Professor, Brigham Young University, 1932—.

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*On leave of absence.

MARY J. OLLORTON.................................**Assistant Professor of Elementary Education**

A. B., Brigham Young University, 1913; M. A., Columbia University, 1926; Graduate work, University of Chicago, 1913, 1914, and 1916; Columbia University, 1913, and 1932-33; Director of Training School, Brigham Young University, 1913-18; Assistant Professor of Elementary Education, 1919—.

IDA SMOOT DUSENBERRY.....................**Assistant Professor of Psychology**

B. Pd., Brigham Young University, 1905; Kindergarten Normal Diploma, Brigham Young University, 1904; Graduate Chaurecey Hall College, Boston, 1908; Graduate Emerson College of Oratory, Boston, 1909; Graduate work Pestalozzi Froebel House, Berlin, Germany, 1912-13; Graduate work Columbia University, 1914-15, 1920-21; Summer School work, Columbia University, 1915 and 1921, University of Washington, 1916; University of California, 1927; Study in Europe, 1919-20; Director of Kindergarten Training, Brigham Young University, 1910-21; Assistant Professor Floating University, 1930-31; Assistant Professor of Psychology, Brigham Young University, 1921—.

HERMESE PETERSON..............................**Assistant Professor of Elementary Education**

B. S., Brigham Young University, 1928; Normal Training Student, Brigham Young University; Brigham Young College; Utah Agricultural College, 1906-08; Columbia University, 1917; University of Utah, 1919; University of California, 1922; University of Chicago, 1922-23; Primary Supervisor of Alpine School District, 1908-12; Study in Europe, 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923—.

WILLIAM H. BOYLE...................................**Assistant Professor of Elementary Education**

A. B., Brigham Young University, 1913; M. A., 1923; Graduate work, University of California, 1917 and 1923; Graduate work, University of Southern California, 1929-30; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Education, 1923—.

WILLIAM H. SNELL......**Assistant Professor of Mechanic Arts**

A. B., Brigham Young University, 1918; Graduate work, Bradley Polytechnic Institute, Summer of 1919; Brigham Young University, Summers of 1924 and 1925; Instructor in English, Brigham Young University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921—.

EMMA BROWN*..**Assistant Professor of Elementary Education**

B. S., Columbia University, 1924; Student, University of Chicago, Summers of 1914 and 1918; Study in Europe, 1928; Critic Teacher, University of Utah, 1908-10; Primary Supervisor, Box Elder County, 1913-15; Nebo School District, 1917-22; Primary Supervisor, Brigham Young University Training School, 1923-25; Assistant Professor of Elementary Education, 1925—.

ED. M. ROWE..............................**Assistant Professor of English**

A. B., Brigham Young University, 1923; Graduate work, Utah Agricultural College, Summer of 1924; Brigham Young University, 1924-25; University of Chicago, Summers of 1925 to 1929; University of Wales, 1931-33; Principal Spanish Fork High School, 1910-12; Instructor in English, Brigham Young University, 1924-27; Assistant Professor, 1927—.

CHARLES J. HART..................**Assistant Professor in Physical Education and Athletics**

B. S., Utah Agricultural College, 1922; Graduate work, Utah Agricultural College, 1923; University of Wisconsin, Summer of 1925; M. A., New York University, 1932; Instructor Teton High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young University, 1925-27; Assistant Professor, 1927—.

EDGAR M. JENSON.............**Assistant Professor of Educational Administration, Director of Training Schools**

A. B., Brigham Young University, 1916; M. A. Brigham Young University, 1919; Graduate work, Stanford University, 1926-27; Head of Department of Education, Dixie College, 1919-1923; President Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor in Educational Administration and Principal University High School, 1928—; Director of Training Schools, 1930—.

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*On leave of absence.

WILMA JEPPSON....................**Assistant Professor of Physical Education for Women**

B. S., Brigham Young University, 1927; Student University of California, Summer of 1921; University of Wisconsin, Summer of 1925; Columbia University, 1920-30; M. S., Columbia University, 1930; Instructor in Physical Education for Women, Brigham Young University, 1923-30; Assistant Professor, 1930—.

ALONZO J. MORLEY....................**Assistant Professor of Speech**

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department, Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1928-30; Assistant Professor, 1930—.

WILLIAM F. HANSON..................**Assistant Professor of Music**

Music Diploma, Brigham Young University, 1907; Teacher's Certificate, Chicago Musical College, 1924; Private work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch, and H. B. Maxyott, 1924; Supervisor High School Music, Vernal, 13 years; Supervisor Public School Music, Brigham Young University, 1924-25; Acting Head of Music Department, 1925-26, and Summer Sessions of 1925-26-27; Instructor in Music, 1926-31; Assistant Professor, 1931—.

H. GRANT IVINS......**Assistant Professor of Animal Husbandry**

B. S., Utah State Agricultural College, 1917; Instructor in Animal Husbandry, Brigham Young University, 1929-31; Assistant Professor, 1931—.

KARL E. YOUNG.........................**Assistant Professor of English**

B. S., Utah State Agricultural College, 1924; Graduate work at Harvard University, 1924-25; Student at Oxford, England, 1927 to 1930; Instructor in Logan High School, 1925-26; Instructor in English, Brigham Young University, 1930-31; Assistant Professor of English, 1932—.

A. REX JOHNSON..................**Assistant Professor of Economics**

B. S., Brigham Young University, 1924; M. A., George Washington University, 1931; Graduate work University of Washington, Summer of 1926, and George Washington University, 1931-33. Head of Business

Department, Provo High School, 1921-22; Fielding Academy, 1922-23; Instructor in Office Practice, Brigham Young University, 1924-31; Economist U. S. Civil Service Commission, 1930-33; Assistant Professor of Economics, 1933—.

JOSEPH K. NICHOLES..........**Assistant Professor of Chemistry**
A. B., Brigham Young University, 1916; M. A., Stanford University, 1924; President Dixie College, 1919-23, and 1926-33; Assistant Professor of Chemistry, Brigham Young University, 1933—.

RUSSELL SWENSON..............................**Assistant Professor of Religious Education**
A. B., Brigham Young University, 1931; M. A., University of Chicago, 1931; Graduate work, University of Chicago, 1930-33; Principal L. D. S. Seminary, Mesa, Arizona, 1926-27; Principal L. D. S. Seminary at Kamas, Utah, 1927-28; Principal L. D. S. Seminary at Hurricane, 1928-30; Assistant Professor of Religious Education Brigham Young University, 1933—.

GEORGE S. BALLIF......................................**Lecturer in Law**
A. B., Brigham Young University, 1921; Student Harvard Law School, 1921-22; J. D., University of California Law School, 1924; Lecturer in Law, Brigham Young University, 1929—.

JOHN E. HAYES..**Registrar**
B. S., Brigham Young University, 1924; Instructor, Brigham Young University, 1903—; Registrar, 1904—.

ANNA OLLORTON ....**Librarian**
A. B., Brigham Young University, 1913; Graduate work, University of Chicago, 1914-15; University of Utah, Summer of 1914; Chautauqua, New York Summer School, 1919 and 1923; Columbia University 1930-31; Assistant Librarian Brigham Young University, 1919-23; Acting Librarian, 1923-31; Librarian, 1931—.

ANNIE L. GILLESPIE.................................**Library Cataloguer**
Principal West School, Provo, 1883-84; Assistant Librarian, Brigham Young University, 1906-11; Librarian, 1912-23; Cataloguer, 1923—.

KIEFER B. SAULS...........................**Secretary to the President, Purchasing Agent**
B. S., Utah Agricultural College, 1920; Graduate work, 1920-21; Secretary to Director, Utah Agricultural Experiment Station, 1917-21; Secretary to President and Purchasing Agent, Brigham Young University, 1921—.

NETTIE NEFF SMART..**Dean of Women**

Normal Diploma, Brigham Young University, 1898; Student, Cornell University, 1907-09; Instructor Provo High School, 1920-21; Provo City Schools, 1921-25; Instructor Brigham Young University Training School, 1904-05; Dean of Women, 1925—.

PERCIVAL P. BIGELOW.............**Instructor in Auto Mechanics**

Student University of Michigan, Summer of 1922; Brigham Young University, Summers of 1923, 1924, and 1925; Head Mechanic, Utah Packard Motor Company, 1916; Foreman, Superior Motor Co., 1917-18; Mechanic, Hudson Motor Car Company, Detroit, 1919; Instructor in Auto Mechanics, Brigham Young University, 1919—.

BERTHA ROBERTS*......................**Instructor in Office Practice**

A. B., Brigham Young University, 1926; Student Durango Business College, 1922; University of Utah, Summer of 1926; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919—.

NEWBERN I. BUTT................**Library and Research Assistant**

B. S., Utah Agricultural College, 1915; Graduate work, 1915-17; Assistant Agronomist, Utah Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922—.

ANNA EGBERT...**Instructor in English**

B. S., Utah Agricultural College, 1921; Graduate work, Brigham Young University, Summers of 1922 and 1923; Columbia University, 1925-26; 1930-31; Instructor North Cache High School, 1922-23; Instructor in Dramatic Art, Brigham Young University, 1923-26; Instructor in English, 1926—.

ELSIE C. CARROLL....................................**Instructor in English**

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1928; Student, Cornell University, 1914; University of Chicago, 1915; Stanford University, Summer of 1924; Head of English Department, Kanab High School, 1917-18; Provo High School, 1919-20; Instructor in English, Brigham Young University, 1926—.

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*On leave of absence.

STELLA P. RICH..**Instructor in English**

B. S., Brigham Young University, 1926; Instructor in the Public Schools of Utah and Idaho, 1911-1927; Student, University of Chicago, Summer of 1925; Instructor, Brigham Young University, Summer of 1926; Instructor in English, Brigham Young University, 1927—.

HUGH W. PETERSON..............................**Instructor in Chemistry**

A. B., 1916; M. A., 1928, Brigham Young University; Student at University of Utah, 1916-17; at Utah State Agricultural College, 1924; at State University of Iowa, 1930-31; Teacher in High Schools of Wyoming and Utah, 1917-27; Instructor in Chemistry, Brigham Young University, 1927—.

ELLA LARSEN BROWN................................**Assistant Librarian**

Student Cook County Normal School, 1891-92; Columbia University, 1905-06; Primary Supervisor, Utah County Schools, 1900-1902; Director Brigham Young University Training School, 1902-1908; Assistant Librarian, Brigham Young University, 1923—.

FRED W. DIXON...**Instructor in Physical Education and Athletics**

B. S., Brigham Young University, 1926; Instructor in Physical Education and Athletic Director at Weber County High School, 1926-28; Graduate work at U. A. C., Summer of 1928; Instructor in Physical Education and Athletics, Brigham Young University, 1928—.

C. LAVOIR JENSEN...........................**Instructor in Mathematics**

Student Brigham Young College, 1916-18; University of Utah, 1914-15; Instructor Logan High School, 1915-16; Principal Midvale Schools, 1917-21; Instructor, Brigham Young University High School, 1921—.

GRACE NIXON STEWART..........**Special Instructor in Speech**

B. S., Brigham Young University, 1925; Student University of London, 1925-27; Special Instructor in Speech, Brigham Young University, 1928—.

GLADYS D. BLACK....................................**Instructor in English**

Ph. B., University of Chicago, 1924; M. A., Columbia University, 1930; Instructor in English, Provo High School, 1924-26; Instructor in English, Central High School, Springfield, Illinois, 1927-28; Instructor in English, Brigham Young University, 1928—.

BILLIE HOLLINGSHEAD................**Instructor in Mathematics**

A. B., Texas State College for Women, 1922; Graduate work Columbia University, Summer of 1925; M. A., Brigham Young University, 1929; Instructor in Valdez High School, Valdez, Alaska, 1922-23; Instructor in Star Valley High School, 1924-26; Instructor in Kohala High School, Kohala, Hawaii, 1927-28; Instructor in Brigham Young University High School, 1929—.

CARMA BALLIF..........................**Assistant in Secretary's Office**

B. S., Brigham Young Universtiy, 1927; Assistant in Secretary's Office, 1927—.

MARGARET SUMMERHAYS........................**Instructor in Music**

Graduate of New England Conservatory of Music, 1916; Studied voice building with Fredrick H. Haywood, 1920 to 1923; with Mme. Sophie Cehanovske, summer of 1927; with Edmund G. Meyer, summer of 1928-29; Special Instructor in Music at Brigham Young University, 1927-29; Instructor in Music, 1930—.

MARGARET SWENSEN............**Instructor in Home Economics**

B. S., Brigham Young University, 1926; Instructor in Richfield High School, 1926-29; Instructor in Brigham Young University, 1929—.

W. ELMO COFFMAN...................................**Instructor in Science**

B. S., Utah State Agricultural College, 1920; M. S., Brigham Young University, 1932; Instructor in Payson High School, 1920-21; Instructor in Springville High School, 1921-28; Principal Minersville High School, 1928-29; Graduate work Brigham Young University, summer of 1927, and at University of Utah, summer of 1928. Instructor in Science, Brigham Young University, 1929—.

EDNA SNOW...**Instructor in Science**

B. S., Brigham Young University, 1924; Graduate student University of California, 1928; M. S., Brigham Young University, 1931; Instructor in Science, Brigham Young University, 1929—.

ETTA SCORUP..............................**Instructor in Home Economics**

B. S., Brigham Young University, 1927; graduate work Oregon Agricultural College, 1927, and at the University of Chicago, 1928-29; Instructor in Parowan High School, 1927-28; and in Weber County High School, 1929-30; Instructor in Home Economics, Brigham Young University, 1930—.

OA LLOYD....................................**Instructor in Office Practice**

Assistant in Office Practice, Brigham Young University, 1928-30; Instructor 1931—.

C. LYNN HAYWARD..................................**Instructor in Zoology**

B. S., Brigham Young University, 1927; M. S., Brigham Young University, 1931; Instructor in Fielding High School, 1927-30; Assistant in Zoology, Brigham Young University, 1930-31; Instructor, 1931—.

BERTRAND F. HARRISON........................**Instructor in Botany**

B. S., Brigham Young University, 1930; M. S., Brigham Young University, 1931; Graduate work University of Chicago summer of 1932; Assistant in Botany, Brigham Young University, 1930-31; Instructor in Botany, 1931—.

J. KNIGHT ALLEN*.....................**Instructor in Accounting and Business Administration**

B. S., Brigham Young University, 1926; M. B. A., Stanford University, 1930; Special Instructor in Brigham Young University, 1930-31; Instructor in Accounting and Business Administration, 1931—.

GUSTAVE BUGGERT.....................................**Instructor in Music**

Graduate of Music School of Madgeburg, Germany; Instructor in Music, Brigham Young University, 1930—.

SETH T. SHAW....................................**Instructor in Horticulture**

B. S., Utah State Agricultural College, 1931; M. A., Utah State Agricultural College, 1932; Instructor in Horticulture, Brigham Young University, 1931—.

NAOMI N. ROBERTSON............**Instructor in Home Economics**

B. S., Utah State Agricultural College, 1924; Instructor Pleasant Grove High School, 1924-25; Instructor in Home Economics, Brigham Young University, 1932—.

MAY BILLINGS............................**Instructor in Home Economics**

Special student at summer schools of Columbia University, 1920; Brigham Young University, 1924;

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*On leave of absence.

Utah State Agricultural College, 1926; University of California, 1928; Colorado Agricultural College, 1931; University of Utah, school year 1931-32; Instructor in Clothing, Latter-Day Saints University, 1920-31; Instructor in Home Economics, Brigham Young University, 1932—.

ALINE COLEMAN..................... **Instructor in Physical Education for Women**

B. S., Brigham Young University, 1933; Assistant in Physical Education for Women, Brigham Young University, 1929-32; Instructor, 1932—.

CARLTON CULMSEE.......................... **Instructor in Journalism and Secretary Extension Division**

B. S., Brigham Young University, 1932; Secretary Extension Division, 1932; Instructor in Journalism, Brigham Young University, 1933—.

BEULAH STRICKLER.................. **Instructor in Office Practice**

B. S., Brigham Young University, 1932; Instructor in Office Practice, Brigham Young University, 1933.

HAROLD COLVIN....................................... **Assistant in Chemistry**

A. B., Brigham Young University, 1931; Assistant in Chemistry, Brigham Young University, 1930—.

ALVA JOHANSEN....................................... **Assistant in Chemistry**

A. B., Brigham Young University, 1931; Assistant in Chemistry, Brigham Young University, 1931—.

LESTER B. WHETTEN................................ **Assistant in Spanish**

A. B., Brigham Young University, 1932; Assistant in Spanish, Brigham Young University, 1930—.

JOHN WING.. **Assistant in Chemistry**

B. S., Brigham Young University, 1926; Assistant in Chemistry, Brigham Young University, 1931—.

TRAINING SCHOOL FACULTY

MARY C. HAMMOND, Instructor in Elementary Training School.

BARBARA MAUGHN, B. S., Instructor in Elementary Training School.

GLADYS KOTTER, B. S., Instructor in Elementary Training School.

GEORGIA MAESER, B. S., Instructor in Elementary Training School.

JENNIE CAMPBELL, B. S., Instructor in Elementary Training School.

THELMA LUDLOW, A. B., Instructor in Elementary Training School.

HAZEL CLYDE, M. A., Instructor in Kindergarten.

SPECIAL INSTRUCTORS

ELMER NELSON, Instructor in Piano.

HANNAH C. PACKARD, Special Instructor in Vocal Music.

GEORGE W. FITZROY, Special Instructor in Piano.
BESSIE E. GOURLEY, Assistant in Art.
BRIGHAM T. HIGGS, Superintendent Buildings and Campus.
J. W. SAULS, Associate Superintendent Buildings and Campus.

STANDING COMMITTEES

The President is ex-officio a member of all committees.

Admission and Credits—John E. Hayes, Lynn Hayward.

Aiding Graduates to Obtain Employment—A. N. Merrill, K. B. Sauls, the Deans.

Alumni Directory—K. B. Sauls.

Athletics—P. A. Christensen, G. O. Romney, J. W. Knight, H. R. Merrill, K. B. Sauls, H. Grant Ivins, President of Student Body, President of Alumni Association, C. L. Jensen, Manager of Athletics.

Attendance and Scholarship—W. H. Boyle, T. L. Martin, C. J. Hart, May Billings.

Awards and Prizes—Alonzo Morley, Franklin Madsen, T. E. Pardoe.

Campus— L. S. Morris, Seth Shaw, E. H. Eastmond, B. F. Harrison.

Care of Girls' and Women's Activities—Dean of Women, Margaret H. Eastmond, Effie Warnick, Hermese Peterson.

Catalogue and Other Quarterlies—E. H. Holt, J. E. Hayes, K. B. Sauls, N. I. Butt.

Debating—J. C. Swenson, Wm. J. Snow, E. M. Rowe, R. Swenson, T. E. Pardoe.

Eligibility—Milton Marshall, H. Grant Ivins, J. E. Hayes.

Graduation—B. F. Cummings, Joseph Sudweeks, M. W. Poulson.

Lectures and Musicals—J. C. Swenson, Herald R. Clark,

Library—Alice L. Reynolds, M. W. Poulson, W. J. Snow, S. B. Sperry, Librarian.

Personnel—C. S. Boyle, Thos. L. Martin, Wm. J. Snow.

Petitions—H. M. Woodward, C. E. Maw, V. M. Tanner.

Publicity—L. Nelson, E. H. Holt, K. B. Sauls, H. R. Merrill, G. O. Romney, Carlton Culmsee.

Schedule of Events—K. B. Sauls.

Schedule of Classes—E. H. Holt, N. I. Butt.

Social Affairs—Elmer Miller, G. H. Hansen, Dean of Women, Wilma Jeppson, Karl E. Young, S. T. Shaw.

Social Units—G. H. Hansen, G. de Jong, A. Rex Johnson, Registrar, Dean of Women, Elsie C. Carroll, and Student Representatives.

Student Accommodations—W. B. Hales, W. H. Snell, P. P. Bigelow, Dean of Women, Hugh W. Peterson.

Student Aid and Employment—A. Rex Johnson, Dean of Women, Kiefer B. Sauls.

Student Publications—C. Culmsee, E. H. Eastmond, B. F. Larsen.

Faculties of L. D. S. Institutes and Seminaries

COLLEGIATE INSTITUTES

	Teacher	Address
Logan Institute	T. C. Romney	Logan, Utah
Moscow Institute	G. S. Tanner	Moscow, Idaho
Pocatello Institute	J. W. Sessions	Pocatello, Idaho

SENIOR SEMINARIES

Seminary	Teacher	Address
American Fork	E. Ray Gardner	Am. Fork, Utah
Ammon	Lucius Clark	Idaho Falls, Ida.
Barnes, John R.	G. C. Ensign	Kaysville, Utah
	Daryl Chase	Salt Lake City
Bear River	W. W. Richards	Garland, Utah
	Alma W. King	Garland, Utah
Beaver	Wendell M. Rigby	Beaver, Utah
Bicknell	LeRoy B. Groberg	Bicknell, Utah
Blackfoot	G. Byron Done	Blackfoot, Idaho
Blanding	Wayne H. Redd	Blanding, Utah
Box Elder	Abel S. Rich	Brigham City, Ut.
	J. P. Lillywhite	Brigham City, Ut.
Burley	R. Golden May	Burley, Idaho
Castle Dale	N. L. Williams	Castle Dale, Utah
Cedar City	G. O. Larson	Cedar City, Utah
Delta	M. Ward Moody	Delta, Utah
East Side	James E. Moss	Salt Lake City
	Obert C. Tanner	Salt Lake City
Ephraim	N. E. Noyes	Ephraim, Utah
Escalante	Reed G. Probst	Escalante, Utah
Ferron	Pearson H. Corbett	Ferron, Utah
Franklin County	R. Lee Kenner	Preston, Idaho
	James DeBry	Preston, Idaho
Grace	Harold S. Nelson	Grace, Idaho
Grantsville	Heber D. Clark	Grantsville, Utah
Gunnison	Roy A. West	Gunnison, Utah

Seminary	Teacher	Address
Granite	F. K. Seegmiller	Salt Lake City
	James E. Moss	Salt Lake City
	M. D. Clayson	Salt Lake City
Hinckley	R. T. Hinckley	Hinckley, Utah
Huntington	J. Wayne Moss	Huntington, Ut.
Jordan	Carter E. Grant	Sandy, Utah
	D. Stanley Adams	Bountiful, Utah
	Katherine Bennion	Salt Lake City
Juab Stake	L'Roy Whitehead	Nephi, Utah
Kanab	William E. Berrett	Kanab, Utah
Lehi	H. Alvah Fitzgerald	Lehi, Utah
Logan	Ed. J. Passey	Logan, Utah
	L. R. Robinson	Logan, Utah
Lovell	Joseph S. Fish	Lovell, Wyoming
Lyman	Willis J. Lyman	Lyman, Wyo.
Malad	H. W. Lawrence	Malad, Idaho
	E. M. Chadwick	Malad, Idaho
Manassa-Sanford	Stanley E. Best	Sanford, Colo.
Manti	L. E. Anderson	Manti, Utah
Mesa	J. R. Wilkins	Mesa, Arizona
Midway	Ariel S. Ballif	Menan, Idaho
Millard	S. D. Moore, Jr.	Fillmore, Utah
Monroe	V. L. Israelsen	Monroe, Utah
Montpelier	S. H. Spencer	Montpelier, Idaho
Morgan	C. Calvin Geary	Morgan, Utah
Moroni	Jos. W. Olsen	Moroni, Utah
Mt. Pleasant	A. H. Anderson	Mt. Pleasant, Ut.
Murray	Frank W. McGhie	Murray, Utah
North Cache	E. M. Hicken	Richmond, Utah
	Carl J. Farr	Richmond, Utah
North Sevier	S. Ross Hunt	Salina, Utah
North Summit	L. M. Norberg	Coalville, Utah
Nebo Stake	John F. Oleson	Payson, Utah
Oakley	Wesley P. Lloyd	Oakley, Idaho
Oquirrh	A. C. Nielsen	Salt Lake City
Panguitch	Ernest Frandsen	Panguitch, Utah
Paris	Roy A. Welker	Paris, Idaho
Phoenix	May G. Kershaw	Phoenix, Arizona

Seminary	Teacher	Address
Piute County	A. C. Reynolds	Circleville, Utah
Pocatello	Almon L. D. Brown	Pocatello, Idaho
Provo	J. A. Washburn	Provo, Utah
	Margaret Gardner	Provo, Utah
Rexburg	H. L. Peterson	Rexburg, Idaho
Richfield	Newel K. Young	Richfield, Utah
Rigby	T. Edgar Lyon	Rigby, Idaho
Roosevelt	Stanley R. Gunn	Roosevelt, Utah
Rupert-Heyburn	Jesse L. Roberts	Rupert, Idaho
Sharon Stake	V. C. Anderson	Provo, Utah
Shelley	Elwood B. Allred	Shelley, Idaho
Snowflake	William C. Smith	Snowflake, Ariz.
South Cache	J. Karl Wood	Hyrum, Utah
	M. W. Smith	Salt Lake City
South Side	M. D. Clayson	Salt Lake City
	Harold B. Lee	Salt Lake City
South Summit	Silas L. Cheney	Kamas, Utah
Spanish Fork	E. Cecil McGavin	Spanish Fork, Ut.
	Laura Shepherd	Provo, Utah
Springville	W. T. Tew, Jr.	Springville, Utah
Star Valley	Ernest R. Clark	Afton, Wyoming
St. Johns-Eagar	David G. Thomas	St. Johns, Ariz.
Sugar City	Leon M. Strong	Sugar City, Idaho
Teton Stake	Robert Gibbons	Driggs, Idaho
Timpanogos Stake	Hyrum P. Jones	Pl. Grove, Utah
Tooele	LeRoi Bentley	Tooele, Utah
Ucon	Grant M. Andrus	Ucon, Idaho
Vernal	A. S. Cannon	Vernal, Utah
Wasatch	D. A. Broadbent	Heber City, Utah
Weber	F. G. Eyre	Ogden, Utah
	Elmer Peterson	Ogden, Utah
West Side	Ezra C. Dalby	Salt Lake City
	Eugene Hinckley	Salt Lake City
Zion Park	A. Noble Kimball	Hurricane, Utah

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*On leave of absence.

Historical

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter-day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter-day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings. The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing $75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees.

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this building was undertaken voluntarily by Reed Smoot, a member of the Board of Trustees.

The Training School Building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the nearby stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was $112,000.00. "Uncle" Jesse Knight contributed liberally to the Alumni Association in this project. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill, was erected in 1925.

The last three named buildings were built by Church appropriations.

Campus. The first campus of the school was limited to a small playground back of the building which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904, steps were taken to acquire land on this site. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area comprising the present campus of seventy-five acres, was purchased by the University, following a movement initiated by the Alumni Association.

Administration. The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. Dr. Karl G. Maeser served as principal until 1891, when he was called to the general superintendency of Church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921.

Educational Growth. The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four years college courses.

Master degrees have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education, and the School of Arts and Sciences was established.

During 1921 a college of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a college of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Foods and Nutrition, Horticulture, Household Administration, Textiles and Clothing, and Woodwork.

On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music and Speech.

During the year 1928-1929 the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School.

University Credits Recognized. The Brigham Young University is on the list of approved colleges of the Association of American Universities. It is also a member of the Northwest Association of Secondary and Higher Schools, the American Council on Education, and the Association of American Colleges.

ORGANIZATION

The Brigham Young University as now organized comprises:

1. **A College of Applied Science**
2. **A College of Arts and Sciences**
3. **A College of Commerce**
4. **A College of Education**
5. **A College of Fine Arts**
6. **A Graduate School**
7. **An Extension Division**
8. **A Research Division**

Elementary and Secondary Training Schools are maintained in connection with the College of Education.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration
Agronomy
Animal Husbandry
Art
Botany
Chemistry
Economics
Educational Administration
Elementary Education
English
Finance and Banking
Geology and Geography
History
Home Economics
Horticulture
Library
Mathematics
Mechanic Arts
Modern and Classical Languages
Music
Office Practice
Physical Education
Physics
Political Science
Philosophy of Education
Psychology
Secondary Education
Sociology
Speech
Religious Education
Zoology and Entomology

UNIVERSITY FEES

College and Graduate Students:

Registration fee for full year if paid at beginning of Autumn quarter	$70.00
Registration fee for less than the full year, the quarter	25.00
Withdrawal deposit	1.00
Student activity fee, each quarter	5.00
(Or $12.50 for the year if paid in advance)	
A gymnasium service fee, each quarter	1.00

Secondary Training School:

Senior High School—10th, 11th, 12th grades, the year	$25.00
Activity fee	5.00
Gymnasium service fee, the year	1.00
Junior high school—7th, 8th, 9th grades	12.50
Activity fee	1.50
Gymnasium service fee, the year	.50

Elementary Training School:

1st to 6th grades, the year	$10.00

Special Fees:

Late registration (after first week of each quarter)	$ 2.00
Special students (eight credit hours or less), for each hour	2.50
Special examinations, for each hour	2.50
(Provided the maximum fee in any one subject shall not exceed $20.00)	
Graduation:	
Degree	$10.00
Diploma	5.00

Special fees are charged for private instruction in Vocal and Instrumental Music, Speech, and some special courses in Art.

Breakage deposits are required in the departments of Chemistry, Mechanic Arts, and for laboratory courses in Bacteriology and Soil Fertility; and a speial fee of $5.00 is charged those who elect Secondary or Elementary Training.

STUDENT EXPENSES

The cost of books varies from $5.00 to $10.00 a quarter, depending upon the number and the nature of the courses elected.

Board and room in private homes costs from $3.50 to $5.50 per week. By renting rooms and boarding themselves, students are able to reduce considerably the cost of room and board. In some cases it has been reduced to $10.00 a month.

If students desiring assistance will call on the Students' Accommodation Committee when they arrive in Provo, they will be directed to the kind of place they wish. When students desire to change boarding places, they are expected to call on and notify the chairman of this committee.

The University insists that boys and girls be housed separately. The boarding houses are inspected to see that accommodations are satisfactory. The University maintains a Cafeteria, where students may secure the noon meal at cost.

REFUNDS

No refunds will be granted to students who are requested to withdraw from the University because of scholarship or any other cause.

All students when paying fees are given official receipts from the Secretary's Office. These receipts must be presented before refunds are allowed. The students, therefore should exercise care that the receipts are not lost or mislaid.

All fees except $5.00 will be refunded to any student in residence who withdraws during the first week of the quarter. One-half of all fees paid will be refunded to any student in residence who withdraws during the second or third week of the quarter. No refunds will be allowed after the third week.

ENDOWMENTS

The Jesse Knight Endowment Fund. On December 21, 1914, the late Jesse Knight made an endowment to the University of one hundred thousand dollars in six percent bonds. The interest payments on these bonds, together with the payments on bonds which have matured, have been placed at interest, and the cash credit on this account now represents approximately twice the amount of the original endowment.

The Brigham Young University Permanent Endowment Fund. June 4, 1929, the B. Y. U. Associated Alumni initiated a **permanent endowment fund** for the University. Some very generous contributions and subscriptions were made at this alumni reunion, and the work of building such an endowment has been carried forward by the alumni and school officials with very gratifying results. The members of the graduating classes since that time have shown a remarkably loyal spirit by subscribing to this fund an average of one hundred dollars each.

LOAN FUNDS

The Emmeline B. Wells Relief Society Loan Fund. In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work. The lending of this fund is under the supervision of the Deans' Council.

Student Loan Fund. The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augmented each year, the Sophomore class assuming the responsibility for making an annual addition. The lending of this fund is under the supervision of the Deans' Council.

Harmon Foundation Student Loan Fund. The Brigham Young University has been chosen by the Harmon Foundation as one of the limited number of colleges in the United States whose students may receive assistance in financing their education. Juniors and Seniors, up to a given number each year, may borrow money from this fund. The Harmon Foundation is a strong financial organization now rendering financial assistance to students in many of the colleges in the United States. A faculty committee represents the University in making these loans.

Gamma Phi Omicron Loan Fund. The Home Economics Club of the University (Gamma Phi Omicron) has established a loan fund to assist students of the Home Economics department. The lending of this fund is under the supervision of the Deans' Council.

Alpha Kappa Psi Loan Fund. The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce. The lending of this fund is under the supervision of the Deans' Council.

Federation of Women's Clubs Loan Fund. The First District Federation of Women's Clubs of Utah has established a loan fund to be lent to the senior girls of the University. The lending of this fund is under the supervision of the Dean's Council.

ASSOCIATED STUDENTS

General Organization. This organization is composed of all students who attend Brigham Young University and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a more democratic "Y" spirit, and to furnish opportunities for all students to participate in those activities which interest them most. Through this organization, student traditions are kept alive. All interclass and intercollegiate activities are encouraged and unified by this organization. Forensic, dramatic, and music activities are fostered by and are under its management and through it the students publish the school periodicals and also the

University year book, the "Banyan." The organization also functions as an auxiliary of the school discipline.

Associated Women Students. This is an organization comprised of all girls registered in the institution. Its purpose is to aid and foster all girls' activities. This organization is also a member of the Western Division of the National Organization of Associated Women Students, which includes practically all of the universities and colleges in the United States.

The Presidents Club. This club is composed of the presidents of all clubs, units, classes or any other student organization upon the campus. Its purpose is to keep union and harmony in student activities by keeping the organizations united, and to maintain a student union, rather than cliquishness, and club consciousness. The President of the Associated Students presides over it and calls the club together whenever it is thought advisable by the Student Council.

Block "Y" Club. An organization of students who have won a Block "Y" in intercollegiate athletic or forensic competition. Its purpose is to foster the traditions of the school, keep alive the athletic and forensic spirit, encourage a true spirit of sportsmanship and to meet visiting teams of athletes or debaters and help to encourage friendly relations with sister institutions.

CLUBS AND SOCIETIES

To enlarge the educational and social opportunities of the university, units, clubs, and societies are organized. In these groups, the spirit of the institution is fostered, and democracy is especially encouraged.

SOCIAL-UNIT ORGANIZATION

The University recognizes proper social development as one of the important by-products of college training. For many years this social opportunity has been provided through the class and club organizations of the institution, but in recent years these organizations have become too large to provide students with the intimate social contacts, and opportunities for leadership which are thought desirable.

To provide suitable opportunity for the fulfillment of this purpose the Social Unit Organization was adopted.

The plan provides that every student in the University shall belong to a social unit. These units include from twenty to thirty members, grouped on the basis of sex, social interest and congeniality. The whole scheme is democratically controlled by the Social-Unit Committee, which consists of members from faculty, classes, and other organized groups in the University. The Inter-Social-Unit Council, made up of representatives from each Social Unit, has jurisdiction over the internal affairs of the units, such as fees, costs of entertainments, etc.

The Social Units are doing much to keep alive the social ideals of the University and to perpetuate the democratic social traditions characteristic of the Student Body.

DEPARTMENTAL ORGANIZATIONS

This group of organizations has the specific purpose of bringing together persons of similar scholastic interests and of rendering their work more pleasurable and profitable. Each group will foster the activities of the department to which it is allied. The eligibility rules thereof will be such that any member of the department may qualify for membership by meeting the scholastic requirements imposed by the organization. The fees will be reduced to a minimum. Each organization will have a faculty advisor. The following departmental clubs and societies have been organized:

The "Ag" Club. This organization is open to all students of Agriculture, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Meetings are held every alternate Wednesday afternoon. Social functions in conjunction with the Home Economics department are featured during the year.

Drama League. The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets weekly. It is affiliated with the Drama League of America.

French, Spanish, German, and Latin Clubs. Teachers and students interested in the study of French or Spanish or German or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign language is the medium of speech. The clubs are in the fullest sense student organizations. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privileges are especially extended to people of the community of French, German, Spanish or Spanish-American birth.

Home Economics Club. The club is organized to create a professional spirit among the students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economics courses are eligible for membership.

Gamma Phi Omicron. (Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Literary Club. The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

Music Society. This society meets conjointly with the Drama League and alternately furnishes programs of varied musical importance. Leading musicians of the state will augment local talent in producing some of the world's greatest music. Membership in this society entitles admittance to all Drama League activities.

Studio Guild. This organization is for the benefit of students having special talent in any particular phase of fine art and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists' and of craftsmen's work are held under the auspices of this organization.

Young Commerce Club. This club is a student organization devoted to the development of good fellowship among the business students. Luncheons and programs are given at regular intervals during the school year at which prominent business and professional men of the inter-mountain country are the principal speakers. All students of the College of Commerce are eligible for membership.

Young Education Association (Y. E. A.). An organization of all students working for the three-year normal diploma. Its purpose is to foster fellowship and sociability among its members, and to encourage their educational life by bringing in prominent educational speakers.

Young Women's Missionary Club. An organization of women students who have been engaged in active missionary service. Its purpose is to preserve the missionary spirit among the students and alumnae of the University and to render help where possible to women missionaries in the field.

Delta Phi. An organization open to all male students who have done regular missionary work. Its purpose is to foster fellowship, missionary ideals, and sociability. Luncheons and programs are given during the school year at which prominent men of the Church and state are the principal speakers. This chapter is associated with like chapters at the Utah Agricultural College, Weber College, and the University of Utah.

Psychology Club. An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

David Starr Jordan Biology Club. This organization is open to all who have shown special interest in the fields of biological science. The club aims to develop interests in all forms of biological study and has, for its major project, the building of a library of natural science literature. During the past two years some 250 volumes have been collected by club members. The increasing animal and plant collections of the department and the new laboratory at Utah Lake, offer interesting material for new students. Special lectures by eminent state naturalists, have proved to be of the greatest interest and educational value. Outside of resident students, the membership consists of faculty members, alumni and prominent townspeople.

Graduate Club. This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of the Brigham Young University." A student becomes a member automatically upon registration in the graduate division.

The "Y" Chemical Society. An organization consisting of students interested in the field of chemistry. Meetings are held every alternate week, at which time lectures dealing with the outstanding problems in chemistry, or material intimately connected with this field are given by authorities on the specific subjects. Various excursions to the outstanding institutions of scientific value and interest in the state are sponsored.

Geographical Clubs are organized for the furthering of social enjoyment and the establishing of bonds of sympathy between the school and the home.

NATIONAL FRATERNITIES

Theta Alpha Phi. National professional dramatic fraternity. Co-educational.

Tau Kappa Alpha. Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Alpha Kappa Psi. (Commerce.) (Beta Delta Chapter.) The purpose is to foster studies in commerce, encourage scholarship and association between members and the commercial world. Male College of Commerce students above freshman standing are eligible for membership.

Beta Beta Beta. (Phi Chapter). Installed January 31, 1931. An international honorary biological fraternity, which emphasizes a three-fold program: Sound scholarship; dissemination of scientific knowledge; and promptness of biological research. All junior and senior students having twenty-four hours of biological credit are eligible for membership.

Phi Delta Pi. Women's National professional physical education fraternity. Xi Chapter installed November 21, 1931. Its purpose is to stimulate professional and scholastic interest in physical education.

Blue Key. The Blue Key national honorary leadership fraternity was chartered at the Brigham Young University in the spring of 1932. Its purpose is to foster Student Body projects of merit which cannot well be handled by any other organization. It is an upper-classmen organization, the membership of which is fixed at from twelve to twenty active members.

NON-STUDENT ORGANIZATIONS

B. Y. U. Women's Organization. The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member, (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member; (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club. This club is organized to develop and maintain a closer co-operation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members original creation in music, literature, painting, etc.

Faculty Forum. The purpose of this organization is to stimulate scientific research. Opportunity is afforded the faculty to hear papers dealing with problems of interest in the various fields of science.

SCHOLARSHIPS

Maria Y. Dougall Scholarship. A scholarship for girls, representing $30.00 awarded annually on the recommendation of Mrs. Maria Y. Dougall of Salt Lake City.

Eliza A. Wallacott Scholarship. A scholarship for girls representing $30.00 awarded annually through the recommendation of the President.

Van Wagenen Band Scholarship. For the encouragement of worthy students in the line of band music, Mr. Alma Van Wagenen of Provo has established an annual scholarship of $50.00.

Annual Commercial Contest Scholarship. Two scholarships are awarded to the winners of the shorthand and the typewriting events in the Commercial contest for high school students held at the University each year.

Alpha Kappa Psi Scholarship Award. Alpha Kappa Psi Fraternity, Beta Delta Chapter of which is established in the College of Commerce, awards annually the Alpha Kappa Psi Scholarship Medallion to the male student of the junior class in commerce who possesses the highest scholastic average for three years' work taken in this university.

The Oscar B. Young Prize. An award of $50.00 given annually by Professor Kimball Young for the best essay on some phase of **Mormon Community Life.** The adjudication is under the supervision of the department of Sociology.

AWARDS

Students eligible for these awards must be duly registered and carrying successfully at least ten hours of University work.

Provo Chamber of Commerce Medal. The Provo Chamber of Commerce presents annually a gold medal to the most efficient student in the University, based upon scholarship, social status, and public service.

The Elsie Chamberlin Carroll Medal. Mrs. Elsie Chamberlin Carroll presents annually a gold medal to the student (girl) of the University writing the best short story.

The Adams Gold Medal. Mr. and Mrs. Walter Adams present annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is a stringed instrument.

The Taylor Gold Medal. Mr. Lester Taylor presents annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is the piano.

The Pardoe Gold Medal. Mr. and Mrs. T. Earl Pardoe present annually a gold medal for excellence in extemporaneous speaking.

The Kirkham Medal, a gift of Francis W. Kirkham, to those who win their state inter-collegiate debates.

The Dixon Silver Cup is presented for the best extemporaneous speech. It is given annually by Mr. Rulon Dixon.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

The Woolley Gold Medal. Miss Mary Woolley presents annually a gold medal to the student giving the best rendition of a dramatic reading.

The Stein Gold Medal. Mr. J. Edwin Stein offers annually a gold medal for the most efficient athlete. Efficiency is based upon the participation in athletics, scholarship, and social activity.

The R. R. Irvine Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

The Sophomore Class, 1921, Gold Medal is awarded annually for excellence in vocal art.

The Noble Medal. Mrs. Hazel Noble Boyack offers annually a gold medal to the most efficient senior student enrolled in the Home Economics department. The selection of such student will be made by the faculty of the Home Economics department.

The Provo Drama Center, Mask Award. A prize of twenty-five dollars is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal. A gold medal awarded to the winner of an oratorical contest on some subject of international good will.

The E. H. Eastmond Gold Medal is awarded annually for the best painting or drawing of Mt. Timpanogos in any medium.

Studio Guild Medal. A gold medal is awarded annually by the Studio Guild for the best landscape painting done during the school year in any medium. Members of the Art department faculty and the officers of the Studio Guild make the selection.

Dramatic Service Awards. The Dramatic Art department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

Egbert Gold Medal. Miss Anna Egbert gives a gold medal for the most efficient debater each year. The award is made in honor of her father, Robert N. Egbert.

The Evans Competitive Acting Award. Mr. Edmund Evans offers annually a watch for the student, who, in the estimation of a group of judges plays the best sustained role in the annual competitive play.

The Evans Gold Medal. Mr. Edmund Evans offers annually a gold medal to the most efficient graduate in the Speech department. Efficiency is based upon participation in speech activities, social activity, and scholarship.

DISCIPLINE

The maintenance of standards of honor, Christian integrity, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The committee on attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours work will not be allowed to remain in the institution.

FUNCTION OF THE MEDICAL DIRECTOR

The principal function of the medical director is to conduct the physical examinations of the students and to look after the general health conditions of the school. In addition all students have the privilege of free consultation with him at his university office during schedule office hours, or by appointment. He will glady respond to all calls to investigate the presence of contagious diseases, but he cannot assume the responsibility of furnishing free treatment for such cases, as is done in schools where the students pay a medical or hospital fee. However, if those students who are unable to pay for necessary service are reported, efforts will be made to see that they are taken care of. No charge will be made for first aid service to persons injured in athletic contests or other forms of school activities, except for material used.

DEAN OF WOMEN

The Dean of Women is charged with the general oversight of all women students, and is always ready to aid and advise them in matters pertaining to their universiay life. She will not only attend to the special needs of young women during school hours, but will use every precaution to see that they are properly cared for at their boarding places. All women students are required to leave a directory card with the Dean of Women when they register.

LIBRARY

The University Library contains more than 80,000 volumes and 50,000 pamphlets and bulletins. These publications cover all phases of human interest and offer opportunity to make intensive studies in almost any field of the sciences or arts. The library has for years been a Government Depository to receive all Government documents. These documents are all well classified and indexed. Besides the Government Documents the Library has nearly a complete set of all agricultural experiment station literature from every state in the Union. It regularly receives important state documents on education, history, politics and various other topics as they are issued by the different states, and is on the publication exchange lists of many of the colleges and universities of the United States and elsewhere.

The Carnegie Institute of Washington, the Carnegie Peace Foundation, the Rockefeller Foundation, the General Education Board, the American Council on Education, the Milbank Memorial Fund, the Bell Telephone Laboratories and several of the large business organizations all supply technical and informative literature. The Library subscribes for such technical journals and magazines as are essential to a thorough college education, and it maintains its own book bindery.

Each year the Library strengthens itself along specialized lines through contributions of books to its special collections, of which the following are now being rapidly augmented:

B. Y. U. Women (Memorial) Collection—General
Brimhall Collection—Theology
Bennion Collection—Biography
Egbert Collection—Music
Henning Collection—Archaeology
Hinckley Collection—Geology
Ivins Collection—The American Indian
Jordan Club Collection—Biology
Lund Collection—Music
McKay Collection—Education
Mask Club Collection—Dramatics
Nelke Collection—General Literature
Reynolds Collection—Literature
Smith (F. W.) Collection—Chemistry
Sorosis Club Collection (Memorial)—General
Spilsbury Collection—Home Economics
Whitaker Collection—Foreign Languages
Widtsoe Collection—Agriculture

The Library is open each school day during the regular school year from 8 A. M., until 10 P. M.; on Saturday from 10 A. M., until 4 P. M.; and during the Summer Session from 7:30 A. M., until 9 P. M.

SPECIAL SCIENTIFIC AND ART COLLECTIONS

The Zoological and Entomological Collections of the University consist of a large series of identified invertebrate and vertebrate species of Utah and contiguous states.

The Entomological Collection consists of over 50,000 specimens; the Tom Spalding Collection of Utah lepidoptera, the Chester Van Buren Collection of South American Butterflies, some Weevils from the Blatchley Collection form important portions of this collection.

A complete series of the fish, amphibians, reptiles, birds and mammals of this region are to be found in the collection. The fish collection is especially rich in species and specimens from the intermountain region. There is also a collection of Hawaiian fish made by Dr. David Starr Jordan. Specimens of practically all the species of amphibians and reptiles of Utah and many species from various portions of the United States are in the collection. The bird collection consists of about 1,700 skins, 1,000 of which were collected in the Magdalena River Valley of South America by Chester Van Buren in 1901-03. This collection is being added to annually by means of collecting expeditions that are sent out to various parts of the Western United States.

An excellent collection of plants is maintained by the **Department of Botany.** This collection includes a representative series of algae, liverworts, mosses, ferns, and seed-plants. There is also a collection of seeds and a collection of diseased plants.

The herbarium of ferns and seed-plants is made up principally of plants collected throughout the Western states, but many species obtained through various exchange herbaria of other sections are included. There is also a collection of plants from Siberia, obtained by President F. S. Harris in 1929, as well as a small group of plants from South America.

The principal collection, made up of Western plants includes 125 families, 600 genera, and 1800 species, represented by over 5,000 specimens. The collection is being enlarged by means of plants obtained on various collecting expeditions, plants obtained through the forest service, and various other sources.

The **Geological Collections** of the University consist of an unusually complete series of minerals and an interesting variety of fossils.

The minerals number many thousands and are representative of the great western mining districts together with hundreds of world localities of note. Part of this collection once represented the nucleus of the famous Deseret Museum collection of Salt Lake City.

The fossil series are representative of many western and typical world localities. Much of this material was also formerly a part of the Deseret Museum collection. The vertebrate collection is especially rich in original fossils and casts of the characteristic mammalian fauna that lived in the Western states during the immediate geologic past.

The **Archaeological** collections include a number of well prepared case exhibits of Utah Indian materials, including pottery, basketry, stone implements, wearing apparel and picture writings. It also includes a number of South Pacific Islands collections together with what is thought to be the finest South American collection of Indian pottery in the West.

The **Fine Arts** Collection consists of paintings, sculpture and art prints. Early pioneer artists are represented as well as more recent and modern painters and sculptors. The collection comprises also noteworthy pieces done by such foreign artists as George H. Taggart and Louis Potter of Chicago, Lee F. Randolph of San Francisco, Pedro J. Lemos, Palo Alto, Calif., and the late Wm. Morris, London, England. The halls throughout the institution are graced by the collection instead of its being assembled in an art gallery.

GENERAL REQUIREMENTS FOR UNDERGRADUATE WORK

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. In no case shall fewer than twelve of the sixteen units be acquired during the last three years of high school. He must offer among his credits the following:

English	3 units
A principal group	3 or more units
A secondary group	2 or more units

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. At least one unit in Mathematics, either Algebra or Geometry, must be included in either the principal or the secondary group. If the principal group is from Mathematics and Science, the secondary group must be from History and Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar of the University.

In case a student is unable to furnish an official transcript of credits on or before the day of registration, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student. To become a candidate for a degree such student must meet the entrance requirements.

A student who has met the entrance requirements but who is carrying fewer than eight hours of work will be designated as a special student.

COURSE DIVISIONS

Undergraduate courses of study are divided into:
(a) Lower Division.
(b) Upper Division.

Lower Division courses are numbered in the catalogue from "1" to "49," Upper Division courses from "50" to "99." Graduate courses are given numbers above "100."

ELECTION OF STUDIES

The student, in electing his studies, should, with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable. The major and minor, as well as the general, requirement for graduation should be kept in mind in electing studies. Three hours credit in Physical Education are required of all Freshmen. Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card. Excess work taken by correspondence or extension classes not approved in this manner, will not be recorded for credit. Resident students of other institutions who apply for correspondence or extension class work, at this University, must have their proposed registration approved by the president of the institution in which they are registered. Students wishing to transfer correspondence credits from other institutions are subject to examination by the University department concerned.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean with the consent of the instructor advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree twelve hours in foreign language work. It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five hours credit and fewer than ninety at the beginning of the school year will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five at the beginning of the school year will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four hours credit at the beginning of the school year will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examination for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on credit.

An incomplete course of study must be completed during the next quarter of residence, provided the next quarter of residence is within one year; otherwise the course must be retaken in a class or a special examination taken to obtain credit.

A fee of $2.50 per credit hour is charged for special examinations, provided the total fee for any one subject does not exceed $20.00.

GRADUATION

GENERAL REQUIREMENTS

For a student to be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered. At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The following graduation requirements apply to all candidates for a bachelor's degree from any of the colleges of the University:

Total amount of credit	186 hours
Requirement for a major	30 hours
Requirement for a minor	20 hours

Group Requirements:

Mathematics and Physical Science	12 hours
Biology and Psychology	12 hours
Social Science	12 hours
English and Foreign Languages	18 hours

Lower Division courses required:

English 1, 2, and 3.

Physical Education, three hours.

A candidate for a Bachelor of Arts degree is required to furnish 24 hours credit in a foreign language.

Not more than 28 hours of "D" grade credit will be applied towards graduation.

Students who expect to be graduated at the end of the spring quarter should file application with their dean not later than the beginning of the winter quarter. All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer Session and who have filed application for graduation not later than thirty days preceding the close of the spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation and a candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements of graduation and to pass on candidates.

GROUP REQUIREMENTS

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. **Mathematics and Physical Science.** 12 hours. (Mathematics, Chemistry, Physics, Geology, and Geography.) Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. **Biology and Psychology.** 12 hours. (Botany, Zoology and Entomology, Psychology.) Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

3. **Social Science.** 12 hours. (Economics, History, Political Science, Sociology.) Not more than six quarter hours in one department may be counted in fulfilling this requirement.

4. **English and Foreign Languages.** 18 hours, at least 12 hours of which must be in English. This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign language taken in high school, this group may be reduced to 14 hours.

MAJOR AND MINOR REQUIREMENTS

At least sixty hours of upper division work must be furnished by students applying for graduation.

At the beginning of his college course, and in no case later than his Junior year each student should select his major professor who, in connection with his dean, will serve as his special faculty advisor. At the time of his graduation he must have completed no fewer than thirty quarter hours in the department in which he is majoring, and no fewer than twenty hours in a collateral or minor subject which meets the approval of his dean and his major professor. He must also satisfy any special departmental requirements announced in the catalogue.

In cases where the prospective graduate's high school and college work shows marked evidence of deficiencies in grade of scholarship, in breadth of training, or a preparation for probable future activity, the dean may use his discretion in prescribing certain specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

THE GRADUATE SCHOOL

All graduate work leading to higher degrees is now administered under the direction of the Graduate School.

Character of Graduate Work. The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration. All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact the student should file with the Dean of the Graduate School an official transcript of his undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy. Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in residence one quarter or more whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the University Council. The mere accumulation of credits does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree. Two higher degrees are offered: Master of Arts (M. A.), provided the candidate meets the foreign language requirement for the A. B. degree; and Master of Science (M. S.) if the candidate does not meet the foreign language requirement for the A. B. degree. A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must, after securing a Bachelor's degree, furnish 48 hours of graduate credit, approved by the Dean of the Graduate School and major professor, 32 hours of which must be in residence, in addition to 186 hours of college credit, and 16 units of high school credit. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. The thesis must be completed at least ten days before the final examination. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. Before the degree is granted the candidate must file with the Dean of the Graduate School a statement from the Librarian acknowledging the receipt of this copy. (e) A candidate for a Master's degree must secure a grade of "B" or above in three-fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one-half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

SCHOLARSHIP HONORS

In recognition of meritorious work, scholarship honors are granted to members of degree graduating classes in accordance with the following:

First. There shall be two degrees of honor: **Graduation with Honor, and Graduation with High Honor.**

Second. The awards shall be made on the basis of excellence shown in the upper division or graduate work done in the Brigham Young University.

Third. To receive the award of Graduation with Honor a student shall have a record of not fewer than thirty hours of upper division work showing "A" grade and not fewer than fifty hours of such work showing "A" and "B" grades.

Fourth. To receive the award of Graduation with High Honor a student shall have a record of not fewer than forty hours of upper division work showing "A" grade, and not fewer than fifty-five hours of such work showing "A" and "B" grades.

Fifth. The number of graduates receiving honors shall not be greater in any year than one-fifth of the number of students graduating. In the event that more than one-fifth of the graduates shall meet the honor requirements set forth above, the students to receive honors shall be chosen as follows: The number of hours of "A" grade of each subject shall be multiplied by "1½," and the number of hours of "B" grade by "1." The one-fifth of the graduates receiving by this process the highest product totals shall receive honors.

Sixth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Seventh. The announcement of honor awards is to be made at the annual commencement exercises.

Term Honors. The University will post and publish at the close of each quarter of the regular school year the names of the one graduate student, the five senior college students (juniors and seniors), and the five junior college students (freshmen and sophomores) who have received the highest grades in classwork during the quarter.

Class grades are to be used exclusively in determining honors, except in case of a tie, when the general school activity of the student shall be considered. The basis of the computation shall be credit hours times grade; and an "A" shall count one and one-half times a "B."

Colleges

COLLEGE OF APPLIED SCIENCE

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Horticulture, Home Economics, Mechanic Arts.

The work offered will be of standard collegiate grade and upon completion of the required amount of study in fundamental subjects, specialized courses, and related work a student may be granted the degree of Bachelor of Science or Bachelor of Arts.

COLLEGE OF ARTS AND SCIENCES

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering, medicine, law; or who desire to train for religious, political or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

Students may select their majors from many of the following departments in the College of Arts and Sciences: Botany, Chemistry, English, Geology and Geography, History, Mathematics, Modern and Classical Languages, Physics, Political Science, Psychology, Sociology, and Zoology and Entomology. The degrees, Bachelor of Arts and Bachelor of Science, are given to graduates of this College.

COLLEGE OF COMMERCE

The purpose of the College of Commerce is to provide training for leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions, for efficiency in office administration, and for the demands of the industrial and financial world. The degrees, Bachelor of Science and Bachelor of Arts, are given to graduates of this College.

Majors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, and Political Science.

COLLEGE OF EDUCATION

The College of Education is one of the professional schools of the University. Its principal function is the training of teachers, principals, supervisors, and superintendents. This college aims to meet the requirements of the Utah State Board of Education for the various grades of elementary and high school certification and for certificates and diplomas in administration and supervision.

The College of Education is made up of two constituent divisions, namely: The department of academic instruction, and the training schools.

The following departments are at present organized: Elementary Education, Philosophy of Education, Psychology, Educational Administration, Secondary Education, Religious Education, Physical Education.

In addition to the foregoing departments for majors and minors in the College of Education, students of this college may major in any department of the University, which department requirements they fulfill, provided they take at least thirty hours in professional educational subjects.

Students who intend to qualify for teaching should declare their intentions of doing so at the beginning of their junior year, if they intend to teach in the high schools, or at the beginning of their freshman year if they intend to teach in the elementary schools. Those who are preparing for high school teaching should also choose not later than the beginning of their junior year, a teaching major and a teaching minor in some of the departments of the University.

Training Schools—Two training schools are established: first, an elementary training school organized for practice teaching for those preparing for kindergarten and elementary school work; second, a secondary training school which offers training in the six years of high school and gives ample opportunity for practice teaching to advanced students.

The degrees of Bachelor of Arts and Bachelor of Science are given to graduates of this College.

Students who are planning to become teachers in the elementary schools will be required to take a three-year course leading to the normal diploma which is granted to students registered in the College of Education who complete three years of college work. The prescribed work for this diploma is as follows:

Courses in education: Elementary Education 1, 12, 51, 52, 54, 55, 61 or 62; Art 41, 42; Music 41, 42; Physical Education 3 hours; Psychology 21; Zoology 20, 58. Other required courses: English 1, 2, 3; Botany 21; History 1, 82; Library 11; Sociology 55, 71; Speech 4 or 11.

Due to increasing the requirements for the Normal diploma from two years to three years, which transition began in 1932-33, second-year students may take elementary training during the school year 1933-34; but beginning in 1934-35, only students of junior standing will be permitted to take elementary training.

This diploma is an endorsement of the student's fitness to teach in the elementary schools and will enable the student to secure a first class certificate from the state. Because of the size of the training school only a limited number of students can receive training each year.

Junior high school teachers are expected to complete three years of college work including the same special requirements made of senior high school teachers; viz., a teaching major of 30 hours or two minors of 18 hours each.

The Utah State Board of Education prescribes the following for an applicant for a Utah Five-Year High School Certificate:

"That he has completed a standard college course of four years or its equivalent.

"That he has a teaching major of 30 quarter hours in one subject taught in Utah high schools, and one teaching minor of 18 quarter hours in one subject taught in Utah high schools.

"That he has completed 3 quarter hours of work in health education, 5 quarter hours in ethics or sociology, and 5 quarter hours in political science or economics.

"That he has at least 27 quarter hours of credit in education including at least 8 quarter hours in secondary training, 3 quarter hours in science or principles of education, 3 quarter hours in organization and administration of secondary education and 3 quarter hours in educational psychology.

"Deviation from any of these subjects should be made only with the approval of the School of Education giving the course."

COLLEGE OF FINE ARTS

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of the fine arts.

At present the following departments are fully organized: Art, Speech, and Vocal and Instrumental Music. Majors may be selected from the work offered by these departments. Graduates of this college may receive the degree of Bachelor of Arts or Bachelor of Science.

SUMMER SESSION

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the school year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the departments of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo Campus, the second on the Alpine Campus to the east of Mount Timpanogos. This latter campus is located about fourteen miles from Provo at an elevation of nearly 7000 feet. Splendid roads lead to it, making it easily accessible to anyone wishing to drive there. Although a wide range of subject matter is taught on this campus it affords exceptionally fine conditions for the study of art and the natural sciences.

The summer session offers the opportunity to persons who are employed during the usual nine months of schooling to pursue graduate work, and to regular students the opportunity to complete requirements for graduation in a shorter time than four years.

LYCEUM COURSE

For many years the University has brought to its students distinguished men and women in lectures, in dramatic art, and in music.

During the past year the following appeared on the course:

John A. Lomax, cowboy songs
The Cherniavskys
Harriet Ware, composer
Emma Lucy Gates, soloist

Courses of Instruction

ACCOUNTING AND BUSINESS ADMINISTRATION

Professors Clark, Eastmond, Poulson, Nelson, Marshall; Associate Professor Boyle; Assistant Professors Jensen, Johnson; Mr. Coffman.

Students majoring in this department are required to take courses 1, 2, and 74.

Lower Division Courses

1. **Elementary Accounting.** Autumn, Winter, and Spring. Daily. Autumn 1:30; Winter 10:30; Spring 1:30. Daily laboratory 1:30-3:30, one hour of which is required each day. Five hours credit. Johnson.

   An introduction to college accounting. The aim of this course is two-fold: first, a preparation for those who plan to enter business at once, and second, as a foundation course for advanced work in accounting.

2. **Elementary Accounting.** Winter and Spring. Daily. Winter 1:30; Spring 10:30. Daily laboratory, 1:30-3:30, one hour of which is required each day. Five hours credit. Johnson.

   Continuation of course 1.

14, 15, 16. Commercial Art. Autumn, Winter or Spring. M. W. F., 10:30. One or two hours credit each quarter. Jensen.

Show card writing; poster art; advertising arrangement. Psychology of line, form and color.

17, 18, 19. Process Illustrating. Autumn, Winter, Spring. T. Th., 2:30. Two hours credit each quarter. Eastmond.

Methods of drawing and painting for illustration. Drawing of the various process methods for modern engraving. Practical illustration. Prerequisite: Art 7.

27. Agricultural Marketing. (See Economics 31.) Johnson.

30. Geography of Economic Products. (See Geography 31.) Coffman.

Upper Division Courses

50, 51,52. Intermediate Accounting. Autumn, Winter, Spring. M. T. W. Th., 10:30. Four hours credit each quarter. Clark.

Primarily a study of corporation accounting with special emphasis placed on problems of depreciation, bases of revaluation, inventorying, etc. Open to students who have had Accounting 1, 2, and 3, or the equivalent.

53. Principles of Risk-Bearing. M. W. F., 10:30; three hours credit. Johnson. (See Economics 53.)

54. Credits and Collections. Winter. M. W. F., 1:30. Three hours credit. Boyle.

A course in credits which stresses the mercantile business aspects of the subject. Principles covering the granting of credit, the control of the credit line, when and how collections are made, establishment of Retail Credit Bureaus, contracts, installment selling plans will make up the basic elements of the course. Prerequisites, Economics 1 and 2.

56. Mathematical Theory of Investment. Spring. M. W. F., 2:30. Three hours credit. Marshall. (See Mathematics 35.)

57. Marketing. Autumn. M. W. F., 8:30. Three hours credit. Johnson.

An elementary course in Marketing in which the fundamental principles of Advertising and Salesmanship will be covered. The methods used to distribute manufactured goods rather than agricultural products will make up the basic elements of the course. Prerequisites, Economics 1 and 2.

58. **Retail Store Management.** Winter. M. W. F., 8:30. Three hours credit. Johnson.

Individual proprietorship, voluntary chain, independent chain, cooperative chains, department stores, department store chains and specialty stores. Problems of management, accounting policies, financial and merchandise control and organization structures will be studied critically. Prerequisites, Economics 1 and 2, Accounting and Business Administration 1 and 2, or 53, 54, 57.

59. **Advanced Marketing.** Spring. M. W. F., 8:30. Three hours credit. Johnson.

A course for senior classification in which the information in marketing in general will be drawn together for the executive of today who must look upon research as one of the numerous tools available to him. The intelligent use of marketing as such will be stressed. Prerequisites, courses 57 or 58.

62. **Industrial Management.** Winter. M. W. F., 10:30. Three hours credit. Boyle.

This course deals with the necessity of research and original and creative thinking on the part of the business managers today if they are to raise business to a science and management to a profession. The organization of business for the most effective control of general administration, sales, purchases, etc., will be stressed. Prerequisite, Economics 61.

63. **Personnel Administration.** Spring. M. W. F., 10:30. Three hours credit. Boyle.

A study of modern practices and development in the scientific adjustment of the relations of employer and employee. This course places emphasis on the right human relations in industry in our complex machine age. Such problems as labor supply, labor turnover, promotion policy, trade tests, job analysis, etc., are studied. The significance to management of scientific labor control will be stressed. Senior classification, or Psychology 11 or 64 suggested as prerequisite.

64. **Business Psychology.** Autumn. M. W. F., 9:30. Three hours credit. Poulson. (See Psychology 64.)

65. **Experiments in Business Psychology.** Winter. Lecture W. 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

66. **Vocational Psychology.** Spring. M. W. F., 8:30. Three hours credit. Poulson. (See Psychology 66.)

67. **Real Estate Procedure.** Autumn. M. W. F. Three hours credit. Boyle.

A course which deals with the real estate problem, urban land valuation, real estate merchandising and selling, the problem of the separation of land and building valuation for rental purposes.

68. **Business Management.** Spring. M. W. F., 1:30. Three hours credit. Boyle. (Not given this year.)

A course in which the business cycle and its relation to policies and principles of business management is studied. Senior standing is a prerequisite in order to draw upon the entire college background of business training.

74. **Principles of Statistics.** Autumn and Winter. M. W. F. Autumn 1:30; Winter 2:30. Three hours credit each quarter. Boyle.

Introduction to statistics. Collection and interpretation of data; methods of analyzing figures; graphic and charting technique; economic research procedure; averages, measures of dispersion, correlation and probability. This course required of all majors in Economics, Finance and Banking, and Accounting and Business Administration.

75. Business Statistics. Winter and Spring. M. W. F. Winter, 1:30; Spring, 2:30. Three hours credit each quarter. Boyle.

Fundamental methods of statistics in business and economic applications. Estimating future business; economic forecasting; fluctuations of business. Practical problems concerned with business facts, past, present and future will be used. Prerequisite: a course in elementary statistics.

81, 82, 83. Commercial Art. Autumn, Winter, and Spring. T. Th., 10:30. Two hours credit each quarter. Jensen. (See Art 61, 62, 63.)

Poster designing and lettering. Systems of lettering; sign writing in various mediums; historical alphabets. Prerequisites, Accounting and Business Administration 14, 15, 16.

91. Cost Accounting. Autumn. M. T. W. F., 8:30. Four hours credit. Boyle.

Introduction to methods and principles of cost finding. Specialized methods of handling materials costs, labor costs and overhead expense. Course 62 advised in connection with this course. Prerequisites: Accounting and Business Administration 50, 51 and 52.

92. Advanced Cost Accounting. Winter. M. T. W. F., 8:30. Four hours credit. Boyle.

Industrial accounting. Practical work in cost determination. Analysis of uniform cost accounting systems of modern industries. Prerequisite: Accounting and Business Administration 91.

93. Income Tax Procedure. Autumn. M. W. F., 1:30. Three hours credit. Boyle.

Federal and State income tax regulations and procedure. This course is designed to qualify the student for practical income tax work. Prerequisites: Accounting 50, 51, and 52.

94. Auditing Theory. Winter. M. W. F., 9:30. Three hours credit. Boyle.

Principles and methods of public accounting work. Rules of professional responsibility and conduct. Advanced interpretation of accounts and financial statements. Prerequisite: Accounting and Business Administration 50, 51, and 52.

95. Auditing Practice. Spring. M. W. F., 9:30. Three hours credit. Boyle.

Practical work in auditing. Technique of verification of accounts and financial statements. Audit working papers. Prerequisite: Accounting and Business Administration 94.

96. Advanced Accounting Problems. Spring. M. T. W. F., 9:30. Four hours credit. Boyle.

C. P. A. and American Institute of Accountants' problems. This course is primarily a review of advanced accounting. Courses recommended as preparation: Accounting and Business Administration 50, 51, 52, 90, 93, and 94; Finance and Banking 21, 22, 23, 51 and 52. Prerequisites: Accounting and Business Administration 50, 51, 52.

Graduate Courses

101. Cost Accounting. (See Accounting and Business Administration 91.)

102. Advanced Cost Accounting. (See Accounting and Business Administration 92.)

103. Income Tax Procedure. See Accounting and Business Administration 93.)

104. Auditing Theory. (See Accounting and Business Administration 94.)

105. Auditing Practice. (See Accounting and Business Administration 95.)

106. Advanced Accounting Problems. (See Accounting and Business Administration 96.)

111-112-113. Research in Accounting. Hours and credit to be arranged with instructor.

114-115-116. Research in Statistics. Hours and credit to be arranged with instructor.

AGRONOMY

Professors Martin, Nelson, Stewart; Associate Professor Sudweeks;
Mr. Coffman, Mr. Shaw.

Lower Division Courses

21. **Root Crops.** Spring. Daily, 10:30. Four hours credit. Shaw.

Sugar beets and potatoes receive special emphasis. Seed selection, testing, discussion of experiment station results, etc.

22. **Cereal Crops.** Winter. 10:30. Four hours credit. Shaw.

Selecting, grading, judging, and methods of production are studied. Special emphasis will be placed upon a review of the results obtained at the various experiment stations throughout the world, the aim being to gain, not only theoretical material, but much practical information obtained at great cost by the scientific investigators.

23. **Forage Crops.** Autumn. Daily, 10:30. Four hours credit. Shaw.

History, cultivation, experiment station results, etc.

41. **Soils.** Autumn. M. W. F., 9:30. Lab. Mon. 2:30-4:30. Three or four hours credit. Martin.

A review of the entire field of soil study. The physical, chemical and microbiological phase of soil study receives attention. Origin and nature of soil, soil water, heat and air; irrigation, dry farming and drainage problems, together with a study of nitrogen relationships, fertilizers and fertilizing problems are the principal topics discussed. This course constitutes a foundation course for those who are interested in agriculture.

Upper Division Courses

52. Soil Fertility. Winter. M. W. F., 8:30. Laboratory period, M., 2:30-4:30 (prerequisite for laboratory: Chemistry 10.) Three or four hours credit. Martin.

This course deals especially with availability of soil nutrients, alkali soils, soil organisms, farm manures, green manures and crop rotation.

57. Soil Geology. Spring. M. W. F., 8:30. Three hours credit. Martin. (See Geology 57.)

Prerequisites: Geology 1, Agronomy 41. General Chemistry is also advised. This course consists of a review of the geological forces responsible for the formation of soils, together with a study of the influence that climate through the ages has had on the various soil horizons. The location, character and forces responsible for the characteristics of the major soil divisions of the United States and the world receive considerable emphasis.

58. Soil Survey; Evaluation and Classification of Land. Spring. T. Th., 2:30-5:30. Two hours credit. Martin. Prerequisites: Agronomy 41, 57, and Chemistry 4, 5, 10.

This course is designed to follow Soil Geology. The aims and methods of soil survey, together with land evaluation and classification as an outgrowth of the survey work, are discussed. The course consists largely of field and laboratory work.

61, 62. Farm Management. Winter and Spring. T. Th., 8:30. Two hours credit each quarter. Shaw.

This course takes up the general consideration of farm management, types of farming, organization of farm business, soil management factors, sources of profit and loss, farm management surveys, etc. It is suggested that the following courses precede the courses in farm management: Economics 11, 12; Horticulture 1, 2; Animal Husbandry 2, 21; Agronomy 22, 23, and 41.

63. **Irrigation and Drainage.** Autumn. Three hours credit. Coffman. (See Geology 63.) (Not given this year.)

64. **Teaching of Agriculture.** Autumn. Three hours credit. Sudweeks. (See Secondary Education 63.)

70. **Range and Forest Soils.** One to four hours credit. Stewart and Martin.

Nature and quality of soils as they occur on ranges and forests of the intermountain region; physical and chemical properties of these soils; distribution of principal soil types, particularly in relation to the native vegetation; irrigation and its influence on the soil cover and on plant production. Advanced students admitted by application for thesis problem in field during spring, summer or autumn.

91. **Western Land Problems.** Spring. M. W. F. Three hours credit. Nelson. (See Economics 91.) (Not given this year.)

92. **Soil Bacteriology.** Autumn. M. W. F., 8:30. Three hours credit. Martin.

Prerequisites: Botany 21, and Agronomy 41, 52. A lecture course designed to acquaint the student with bacteria in relation to soil fertility. A study will be made of ammonification, nitrification, nitrogen fixation, organic matter and mineral transformation, energy transformation, microbiological analysis, oxidation and reduction processes, influences of environmental conditions, etc.

93. **Soil Bacteriology.** Autumn. W. F., 2:30-5:30. Two hours credit. Martin.

A laboratory course to accompany course 92. It will consist of a study of methods used in bacteriological investigation. Prerequisites: Botany 21, 22, and Chemistry 6.

94. **History of Agriculture.** Spring. M. W. F., 9:30. Three hours credit. Nelson. (See Economics 93.)

95. Soil Mycology. Winter. W., 10:30, and laboratory period W. F., 2:30-4:30. Three hours credit. Martin.

A morphologic physiologic and identification study of molds and actinomycetes. Special emphasis on soil forms and their relationship to organic matter decomposition.

96. Seminar. One hour credit each quarter. Martin and Nelson and Shaw.

Current agronomic literature, agricultural problems. Assigned topics will be considered in the form of a round table discussion. Required of all seniors and graduate students majoring in agronomy.

97. Research. Seniors specializing in agronomy may elect research work from three to six hours. Time and credit to be arranged. Martin.

98. Special Problems in Soils. Credit, time, and subject matter to be arranged. Martin.

Chemical, bacteriological and other special laboratory work.

99. Agricultural Literature. A study of agronomic literature. Special problems and written reports. Time and credit to be arranged. Martin.

Graduate Courses

157. Soil Geology. Spring. M. W. F., 8:30. Three hours credit. Martin.

158. Soil Survey and Evaluation. Two hours credit. Martin.

170. Range and Forest Soils. Four or five hours credit. Stewart.

191. Western Land Problems. Spring. Three hours credit. Nelson. (Not given this year.)

192. Soil Bacteriology. Autumn. M. W. F., 8:30. Three hours credit. Martin.

193. Soil Bacteriology. Autumn. W. F., 2:30-5:30. Two hours credit. Martin.

195. Soil Mycology. Three hours credit. Martin.

196. Seminar. Credit to be arranged.

197. Research. Time and credit to be arranged.

198. Special Problems in Soils. Time and credit to be arranged.

199. Agricultural Literature. Time and credit to be arranged.

200. Thesis. Credit to be arranged.

ANIMAL HUSBANDRY

Assistant Professor Ivins; Professor Martin; Dr. Cullimore.

Lower Division Courses

1. **Elementary Stock Judging.** Autumn. M. W. F., 1:30-4:30. Three periods of three hours a week. Three hours credit. Ivins. (Not given this year.)

This course consists of a study of the market types and classes of live stock. Field trips will be made to farms of the county where practice in scoring and judging of animals will be done.

2. **History of Breeds.** Autumn. Daily, 9:30. Five hours credit. Ivins.

All the breeds of live stock will be studied. Special emphasis will be directed to the condition under which the breeds were formed, the men who did the work, and the adaptability of the breed to western conditions.

4. **Beef Cattle Husbandry.** Winter. T. Th., 9:30. Two hours credit. Ivins.

This course is a consideration of the types and breeds, feeds, care and management of beef cattle for western conditions. The student will be made familiar with beef animals by frequent field trips.

5. **Sheep Husbandry.** Spring. T. Th., 10:30. Two hours credit. Ivins.

Types and breeds of sheep will be reviewed followed by study of the management, care and feeding of sheep, both on the range and on the farm.

6. **Swine Husbandry.** Winter. T. Th., 10:30. Two hours credit. Ivins

Types, breeds and management of swine and their place on western farms. Emphasis will be put on their relation to dairy farming.

7. **Feeding of Farm Animals.** Spring. M. W. F., 10:30. Three hours credit. Ivins.

A study of the chemical composition of feeds, the needs of the animal body, the compounding of rations and methods of practice in feeding.

8. **General Poultry.** Winter. M. W. F., 9:30. Three hours credit. Ivins.

A study of breeds, judging, breeding, incubating, brooding, housing, feeding and marketing.

9. **Diseases of Farm Animals.** Autumn. M. W. F., 1:30. Three hours credit. Ivins.

A study of the anatomy of farm animals, of the common diseases of horses, cattle, sheep, hogs, and poultry; their causes, prevention, and treatment.

21. **Elements of Dairying.** Autumn. M. W. F., 8:30. Three hours credit. Ivins.

A general survey of dairying and its relation to Utah agriculture; the secretion, composition and properties of milk; the conditions that affect quantity and quality of milk; the Babcock test, the cream separator, the lactometer, methods of creaming, care of milk on the farm, use of milk and its products as human food.

Upper Division Courses

51. **Animal Breeding.** Spring. M. W. F., 9:30. Three hours credit. Ivins.

The aim of this course is to study the specific principles, practices, and methods involved in the breeding and development of domesticated animals. Such topics as Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, records, etc., are considered. Prerequisite: Zoology 78, or Botany 80.

59. **Types and Breeds of Poultry.** Spring. T. Th., 9:30. Two hours credit. Ivins.

A study of the popular breeds of domestic fowls, their origin, methods of classification, standard requirements, methods of mating and breeding. Designed especially for students planning to engage in Smith-Hughes and club work.

61. **Special Poultry Problems.** Autumn. T. Th., 10:30. Two hours credit. Prerequisite: Animal Husbandry 8.

Detailed study of problems of housing, brooding, feeding and culling. Study of latest developments in these fields, using current literature as basis of work.

62. **Dairy Bacteriology.** Spring. Laboratory 1:30 to 4:30, T. and Th., and one class period to be arranged. 3 hours credit. Martin.

Attention is given to the bacteria of milk and dairy products in general, and their relation to disease. Prerequisites: Botany 21 and 22, and Animal Husbandry 21.

65. **Animal Physiology.** Spring. M. W. F. Laboratory, T., 1:30-4:30. Five hours credit. Cullimore. (See Zoology 65.)

81. **Milk and Milk Products.** Winter. M. W. F., 10:30. Three hours credit. Ivins.

A course dealing with the properties, composition, and constituents of milk, the manufacture and marketing of milk products. Prerequisites: Animal Husbandry 21 and one year of bacteriology.

91. **Dairy Survey.** Winter. Time to be arranged. One hour a week. One hour credit. Ivins.

A study of current literature and experiments in dairy work. Each student will be expected to make reports on various subjects in this field which will be discussed by the class.

92. **Seminar.** Spring. Time to be arranged. One period a week. Ivins.

Current literature and problems in the field of Animal Husbandry will be studied and discussed. Required of all seniors who major in Animal Husbandry.

98. **Experimental Animal Nutrition.** Open to seniors and graduates only. Prerequisites: 5 hours in organic or bio-chemistry, and Animal Husbandry 7. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged.

Graduate Course

110. **Research in Nutrition.** Time and credit to be arranged. Ivins.

Open to graduates only, major or minor. Designed for students in Animal Husbandry and Home Economics who desire to get acquainted with the problems of nutrition.

ART

Professors Eastmond, Larsen; Associate Professor Morris; Assistant Professors Jensen, Snell; Mrs. Gourley.

Students majoring in Art are required to take courses 1, 7, 8, 9, 11, 12, 13, 21, 38, 39, 40, 52, 53.

Lower Division Courses

1. **Art Appreciation.** Autumn. M. W. F., 1:30. Three hours credit. Eastmond.

Foundational principles of art introduced as a means for the general appreciation of art in nature and in the creations of the artist.

7. **Graphic Representation.** Autumn. M. W. F., 2:30. Two hours credit. Larsen.

Object drawing in various media. Emphasis upon tone study in charcoal and upon mass media. Linear and circular perspective.

8. **Graphic Representation.** Winter. M. W. F., 2:30. Two hours credit. Larsen.

Emphasis upon drawing from still life, the cast, and the costumed model. Objective composition.

9. **Graphic Representation.** Spring. M. W. F., 2:30. Two hours credit. Larsen.

Study of perspective. Outdoor sketching in pencil and crayon media.

11, 12, 13. **Water Color Painting.** Autumn, Winter, Spring. T. Th., 3:30-5:30. Two hours credit each quarter. Eastmond.

Pictorial composition emphasized. Theory of color scheming. Standard methods introduced. Out-door sketching.

14, 15, 16. **Commercial Art.** Autumn, Winter, Spring. T. Th., 1:30. One to two hours credit each quarter. Jensen.

Show card writing, poster designing, advertising arrangement.

17, 18, 19. Process Illustration. Autumn, Winter, Spring. T. Th., 10:30. Two to four hours credit each quarter. Eastmond.

Method of drawing and painting for illustration. Drawing for the various process methods of modern engraving. Correlative illustration. Color theory applied. (Art 7 or the equivalent is prerequisite to 18.)

21. Theory and Practice of Design. Autumn, Sec. 1, M. W. F., 1:30. Sec. 2, T. Th., 1:30: Sections are arranged to correlate with the lines of work taken up in Art 25, 28, 29, etc., 32p, 35, 47, etc. Two hours credit. Eastmond and Larsen.

Rhythm, balance, harmony, and other foundational principles. Color study. The principles of design and color theory that are fundamental to the courses of pictorial composition, process illustrating commercial art, applied arts, stage craft, scenery painting, textile arts, interior decoration, costume design, mechanic arts design, normal art, etc.

Art 25, 26. Applied Design. Winter and Spring. T. Th., 1:30. Studio hours to be arranged. Two hours credit. Eastmond.

The principles of creative design as applied to the textile arts (dyeing, batik, stenciling, block printing, etc.), and ceramics (especially china painting). Theory of color adapted to creative design. Motif drawing emphasized. Prerequisite: Art 21.

28. Home Planning. Winter M. W. F., 1:30. Two hours credit. Larsen.

Art principles applied to house planning. Historic development of the house. Study of common types of American homes. Relation of house and garden. Study of line, form and color.

29. Interior Decoration. Spring, M. W. F., 1:30. Two hours credit. Larsen.

The study of the art principles as applied to the decoration and the furnishing of the home.

32p. Ceramic Art (China Painting, etc.). Winter. Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite: Art 21. Mrs. Gourley.

Application of the various methods of original design in the decoration of appropriate wares.

33p. Ceramic Art. Spring. Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite: Art 25. Mrs. Gourley.

Emphasis on original designing.

35-36. Mechanic Arts Design. Winter, Spring. M. W. F., 1:30. Two hours credit each quarter.

Application of design principles applied to the work of mechanic arts. Prerequisite: Art 21.

38. Outdoor Sketching with Oil Colors. Autumn. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Landscape study. Brush drawing of trees and other landscape elements. Representation of foreground, middle distance, and distance. Landscape composition.

39. Still Life and Figure Painting with Oil Colors. Winter. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Painting of flowers, fruits, pottery, and other still life objects. Pictorial composition emphasized.

40. Outdoor Sketching with Oil Colors. Spring. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

41, 42, 43. Art for Elementary School Teachers. Autumn, Winter, Spring, M. W. F., 3:30. One to three hours credit each quarter. Jensen.

Simple drawing and painting with various media. Paper cutting and construction, clay, crayons, water color, etc. Study of materials suitable for elementary applied design. Subject matter and standards of achievement for each grade. Objectives and methods emphasized.

47, 48. **Scenery Painting.** Winter and Spring. T. Th., 3:30. Two hours credit each quarter. Eastmond.

The principles of pictorial and decorative composition applied to the theatrical stage. Applied color theory. Stage property designing and painting. Practical scenery painting. Prerequisite: Art 21.

Upper Division Courses

52. **Art History and Appreciation.** Winter. M. W. F., 1:30. Three hours credit. Eastmond.

Prehistoric structure, sculpture, graphic art and decoration. Interpretation and classification of the most important masterpieces of architecture, sculpture, decoration and painting of ancient times to the end of the middle ages. Illustrated lectures.

53. **Art History and Appreciation.** Spring. M. W. F., 1:30. Three hours credit. Eastmond.

Renaissance architecture, sculpture, and decoration. Emphasis upon schools of painting beginning with the Primitive Florentine down to those of the nineteenth century. Illustrated lectures.

54. **Methods of Teaching Art.** Autumn, Winter or Spring. M., 3:30. Two hours credit. Eastmond. (See Secondary Education 62.)

57, 58, 59. **Interpretative Drawing.** Autumn, Winter, Spring. M. W. F., 3:30. Two hours credit. Larsen.

Figure and nature compositions in various media. Head, life, and the costumed model emphasized.

61, 62, 63. **Commercial Art.** Autumn, Winter, Spring. T. Th., 1:30. Studio hours to be arranged. Two to four hours credit each quarter. Jensen.

Poster designing and lettering. Systems of lettering. Sign writing in various media. Historic alphabets. Prerequisites: Art 14, 15, 16, 21.

64. Water Color Painting. Autumn. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Objective landscape and still-life painting. Emphasis upon composition in line, mass and color. Theory of color scheming continued. Out-door sketching.

65. Water Color Painting. Winter. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Subjective and decorative landscape painting emphasized; nature motif work. Color theory applied.

66. Water Color Painting. Spring. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Continuation of Art 65. Outdoor sketching. Individual expression emphasized.

67. Oil Painting. Autumn. M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Emphasis upon landscape painting.

68. Oil Painting. Winter, M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Painting from still life and the costumed model.

69. Oil Painting. Spring, M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Outdoor sketching and landscape composition.

71, 72, 73. Decorative Painting and Applied Art. Autumn, Winter, Spring. M. W. F., 2:30. Two to four hours credit each quarter. Eastmond.

Applied painting. Decorative composition correlated with interior decoration. Mural painting. Advanced scenery painting and poster designing. Creative designing applied to various crafts. Individual art projects are assigned that are adapted to correlative conditions.

74, 75, 76. Process Illustration and Art Etching. Autumn and Winter. T. Th., 10:30. Studio hours to be arranged. One to four hours credit each quarter.

Eastmond. Prerequisites: Art 7, 8, 9, or 14, 15, 16.

Pictorial composition especially adapted to the various phases of line, tone and color engraving.

80, 81. Home Planning and Interior Decoration. Winter and Spring. M. W. F., 1:30. Two hours credit each quarter. Larsen. (See Household Administration 50 and 51.)

84, 85, 86. Art Pageant Production. Autumn, Winter, Spring. T. Th., 4:30. Two hours credit each quarter. Eastmond. Prerequisite, Art 21.

Pageantry and art expression. Principles of pageant composition. Symbolic representation. Study of tableau composition. Pageant costume and property designing. Color theory applied. Outdoor production emphasized.

Graduate Courses

151, 152, 153. The Great Painters. Autumn, Winter, Spring. T. Th., 10:30. Two hours credit. Larsen.

A critical study of the color and composition of the works of important artists from the nineteenth century to the present time. Appreciative interpretation of the outstanding pictures in the galleries of the world. For art students, laymen, and people who intend to travel or go on missions.

157, 158, 159. Interpretative Drawing and Painting. Autumn, Winter, Spring. Two hours credit. Larsen.

Composition study in various media.

164, 165, 166. Water Color Painting. Autumn, Winter, Spring. Two hours credit each term. Eastmond.

Pictorial composition emphasized. Development of individual and temperamental expression.

167, 168, 169. Pictorial Composition—Oil Painting. Autumn, Winter, Spring. M. W. F., 3:30 to 5:30. Two or three hours credit. Larsen.

174, 175, 176. Advanced Process Illustration and Art Etching. Autumn, Winter, Spring. T. Th., 9:30. Two hours credit each term. Eastmond.

200. Research. Autumn, Winter, Spring. W., 3:30. Credit to be arranged.

Lower Division Courses

1. History of Landscape Architecture. Winter. M. W. F., 8:30. Three hours credit. Morris.

The contributions of various civilizations from ancient Egypt to the present time will be discussed. Emphasis on Italian Renaissance. This course will form a background for the design of historical garden in landscape architecture.

2. Elements of Drawing. Autumn, Winter or Spring. Daily 9:30 or 10:30. Two hours credit. Snell. (See Drawing 2.)

4, 5, 6. Ornamental Herbaceous Plant Materials. Autumn, Winter and Spring. T., 1:30. One hour credit each quarter. Morris. (See Horticulture 4, 5, 6.)

8, 9. Ornamental Woody Plant Materials. Autumn and Spring. T. Th., 8:30. Lab. T., 2:30 to 5:30. Three hours credit each quarter. Morris. (See Horticulture 8 and 9.)

21. Theory of Design. Autumn, M. W. F., 8:30. Three hours credit. Morris.

Principles of design as applied to landscape architecture. Unity, harmony, balance, repetition, etc. A foundation to all courses in landscape design.

23. Landscape Design. Autumn, M. W., 2:30-5:30. Two hours credit. Morris.

The design of gardens and private grounds. A fundamental course to all landscape design. (Prerequisite or parallel: course 21.)

24. Landscape Design. Winter. M. W., 2:30-5:30. Two hours credit. Morris.

The design of historic gardens, particularly of the Italian, French, and English Renaissance. (Prerequisites: courses 21 and 23.)

25. Landscape Design. Spring, M. W., 2:30-5:30. Two hours credit. Morris.

Designing to fit the setting. Private and public grounds considered. (Prerequisite: course 23.)

Upper Division Courses

51. Planting Design. Winter, F., 2:30-5:30. One hour credit. Morris.

The planting of various gardens and grounds studied in Landscape Architecture 23, 24, 25. Shrubs, trees and flowers must first be learned.

52. City Planning. Winter. T. Th., 10:30. Two hours credit. Morris.

The history of various types of city plans; advantages and disadvantages. Emphasis on Salt Lake City, Washington, D. C. and Paris. The small city studied.

BOTANY

Professors Martin, Stewart; Associate Professor Morris; Mr. Harrison.

Students majoring in Botany should present credit in Botany 1, 2, 3, 50, 51, 52, 57, and 60.

Lower Division Courses

1. General Botany. Autumn, T. Th., 8:30, or Winter, T. Th., 10:30. Laboratory, Th. or F., 1:30-4:30. Three hours credit. Harrison.

An introductory course dealing with the fundamentals of the structure, physiology, and reproduction of plants. This is a basic course prerequisite to further work in the field of plant life. This course is also recommended for the non-science student.

2. General Botany. Winter. T. Th., 8:30; Laboratory, T., 1:30 to 4:30. Three hours credit. Harrison.

An introduction to members of the plant kingdom exclusive of the seed-plants. The habitat, structure, and life-history of members of a representative series of algae, fungi, mosses, and ferns. The relationships and possible evolutionary development of of these forms will receive special consideration.

3. Flowers of the Wasatch. Spring. M. W., 2:30-5:30. Three hours credit. Harrison.

The identification of early flowering plants of the Wasatch region, and training in the use of manuals along with some individual collecting work. Prerequisite: Botany 1.

21. General Bacteriology. Autumn or Winter. M. W. F., 10:30. Three hours credit. Martin.

The course will consist of a study of the general characteristics and activities of microorganisms and their relation to man.

22. General Bacteriology. Autumn or Winter. Two hours credit. T. Th., 1:30-4:30. Martin.

Laboratory course in general bacteriology, designed to accompany Botany 21.

Upper Division Courses

50. Algae and Fungi. Autumn. T. Th., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories, classification and relation of the main groups of algae and fungi. Prerequisite: Botany 1.

51. Liverworts, Mosses and Ferns. Winter. T. Th., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Prerequisite: Botany 1.

52. Seed Plants. Spring. T. Th., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories, classification and relationship of the higher plants. Prerequisites: Botany 1, 2.

54. Systematic Botany. Autumn. W., 1:30; Laboratory 2:30-5:30. Two hours credit. Morris.

The Plant kingdom as represented by local forms will be studied. Students will learn to use the botanical key that they may classify plants independently. Autumn flowering and fruiting plants will be the chief concern. Prerequisite: Botany 1.

55. Systematic Botany. Winter. W., 1:30; Laboratory, 2:30-5:30. Two hours credit. Morris.

Herbarium material will be studied and mounted. Prerequisite: Botany 1 and 54.

56. Systematic Botany. Spring. W., 1:30; Laboratory 2:30-5:30. Two hours credit. Morris. Spring flowering plants will be classified. Prerequisites: Botany 1 and 54.

57. **Plant Ecology.** Autumn. T. Th., 10:30, also one field trip or laboratory period a week. Three hours credit. Harrison.

The plant in relation to its environment and its adaptation to the factors of soil and climate; plant communities and succession of various types of vegetation. Prerequisite: Botany 1.

58. **Geographic Ecology.** Spring. M. W. F., 8:30. Three hours credit. Harrison.

A course devoted to a survey of the various floristic regions of the earth, with emphasis on North American problems. The course should be of special interest to students who expect to travel. Botany 57 desirable.

59. **Range and Forest Ecology.** Autumn, Spring or Summer. One to four hours credit. Stewart and Martin.

Distribution of desert, mountain, and forest plants as influenced by the climatic and soil environment, a special study will be made of the ecology in the intermountain region with an opportunity to concentrate on the native vegetation of the Lake Bonneville basin if desired. Advanced students may be admitted by application for thesis problem in field during spring, summer, or autumn.

60. **Plant Physiology.** Winter. M. W., 8:30; Laboratory, M. W., 1:30 to 4:30. Four hours credit. Harrison.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Botany 1 and Chemistry 1 and 2 or their equivalents.

65. **Plant Histology.** Spring. Time to be arranged. Three hours credit. Harrison.

This is primarily a laboratory course in the technique of preparing, staining and mounting of sections for microscopical examination. Prerequisite: Botany 1.

69. **Methods of Teaching Biology.** Autumn or Winter. Two hours credit. Hayward. (See Zoology 69 and Secondary Education 69.)

70. **Diseases of Cultivated Plants.** Autumn. M. W. F., 10:30; Laboratory M., 1:30 to 4:30. Four hours credit. Morris.

This course deals with the important diseases of local plants, their identification, cause and treatment. Prerequisite: Botany 1.

75. **Seminar.** Autumn, Winter. One hour credit for each quarter. Harrison, Martin, Morris.

81. **Pathogenic Bacteriology.** Spring. M. W .F., 10:30. Three hours credit. Martin.

This course is designed to give to students an advanced course in bacteriology. It is designed for those desiring general information about human diseases and particularly for students who are preparing for the professions of nursing, public health work, dietetics and medicine. In class and laboratory work the following are among the subjects considered: methods used in cultivation of microorganisms; methods of handling disease materials for microbiological examination; organisms associated with the various diseases; the nature of the damage done by the organisms; and means of control. Diseases caused by filterable viruses, protozoa, fungi will be studied together with the subject of immunology.

82. **Pathogenic Bacteriology Laboratory.** Spring. W. F., 2:30-5:30. Two hours credit.

Designed to accompany Botany 81.

85. **Special Problems In Botany.** Credit, one to five hours. Time to be arranged. Martin, Harrison.

92. **Soil Bacteriology.** (See Agronomy 92.)

93. **Soil Bacteriology.** (See Agronomy 93.)

95. **Soil Mycology.** (See Agronomy 95.)

Graduate Courses

103. Field Ecology. Time and credit to be arranged. Harrison.

Field work in plant ecology done in connection with the regular biological expeditions sent out by the university. Open only to those students qualified to do independent work. The full time of the student will be required during the period of field work.

153. Advanced Special Morphology. Time and credit to be arranged. Harrison.

Critical studies in the morphology of special groups.

159. Range and Forest Ecology.

160. Plant Physiology.

170. Diseases of Cultivated Plants.

175. Seminar.

181. Pathogenic Bacteriology.

182. Pathogenic Bacteriology Laboratory.

185. Special Problems in Botany.

192. Soil Bacteriology.

193. Soil Bacteriology.

195. Soil Mycology.

200. Research.

CHEMISTRY

Professor Maw; Assistant Professor Nicholes; Mr. Peterson, Mr. Johanson, Mr. Colvin, Mr. Wing.

Students majoring in Chemistry must present credit in Chemistry 4, 5, 6, 10, 11, 12, or 62, 70, 71, 82, and are advised to commence work in German or French and in Mathematics as early as possible.

Suggestion of sequence for the first three years in Chemistry is: 4, 5, and 6 constitute the freshman year; 10, 11 and 12 the sophomore year; 70, 71, 72 or 76 the junior year.

Lower Division Courses

1. **Elementary General Chemistry.** Autumn, Winter or Spring. Daily, 10:30. Four hours credit. Four lectures and demonstration periods and one quiz section. Peterson.

   This course is an introductory survey of chemistry. It is intended for students who desire a knowledge of the subject for its cultural and informational value. An attempt is made to awaken an appreciation of the service of Chemistry in various phases of every-day life. Well prepared demonstrations will form a part of this course. These experiments will furnish a basis of lecture discussion and prepared papers.

2. **Elementary General Chemistry.** Autumn, Winter or Spring. Two hours credit. Lecture F., 3:30; Laboratory M. W., 3:30 to 5:30. Johanson.

   One lecture and class discussion and two two-hour laboratory periods.

3. **Introductory General Chemistry.** Autumn. M. W. F., 2:30. Five hours credit. Three lectures and two laboratory periods. (Laboratory T. Th., 3:30-5:30.) Nicholes.

This course is designed for persons who intend to major in home economics or whose objectives do not require the technical training of Chemistry 4. Practice in simple chemical equations and calculations will be stressed. Students who fall below a C grade will be advised to register for Chemistry 1 or 2.

4. **General Inorganic Chemistry.** Autumn. M. W. F., 8:30 (2 sections), or Winter M. W. F., 2:30. Five hours credit. Three lectures and demonstration periods, one quiz section, and two two-hour laboratory periods. Laboratory Sections: Autumn, T. Th., 8:30-10:30; M. W., 1:30-3:30; M. W., 3:30-5:30; T. Th., 1:30-3:30. Winter: M. W., 3:30-5:30; T. Th., 3:30-5:30. Nicholes and Colvin.

A technical and intensive study of the principles of inorganic chemistry in connection with the nonmetals. Intended for students majoring in natural sciences or taking pre-medical work. Principles and practical application are emphasized. Systematic drill in various types of chemical problems are stressed. Students whose training is not adequate or who fall below C grade will be asked to discontinue or register for Chemistry 1 or 3. Prerequisites: high school chemistry or Chemistry 1, and 2.

5. **General Inorganic Chemistry.** Winter. M. W. F., 8:30 (2 sections), Spring M. W. F., 2:30. Five hours credit. Three lectures and demonstration periods, one quiz section, and two two-hour laboratory periods. Laboratory sections: Winter, M. W., 1:30-3:30; T. Th., 1:30-3:30; T. Th., 3:30-5:30. Spring, T. Th., 2:30-4:30. Nicholes and Colvin.

Continuation of Chemistry 4, including a discussion of metals.

6. **Principles of Chemistry and Qualitative Analysis.** Spring, M. W. F., 8:30. Five hours credit. Two lectures and demonstration periods, one quiz and three two-hours laboratory periods. Laboratory: M. W., 2:30-4:30; T. Th., 3:30-5:30. Nicholes, Johanson, and Colvin.

Theory and practice of inorganic qualitative analysis. The qualitative processes are inductively developed in the laboratory. Stress is laid on the facts upon which the separations are based, and upon principles, rather than mechanical processes, involved in the separations.

The theoretical phases having a bearing on qualitative separations are discussed in detail and illustrated by typical problems.

9. **Elementary Organic Chemistry.** Spring, M. W. F., 9:30. Five hours credit. Three lectures, one recitation, and one quiz period and two two-hour laboratory periods. Laboratory: T. Th., 3:30-5:30. Maw and Johanson.

Constant reference is made to the principles of Inorganic Chemistry as they find applications in the field of Organic Chemistry. Special emphasis is placed on those portions of Organic Chemistry that lay the foundation for a study of food and nutrition and Bio-Chemistry. This course is intended for students in Home Economics and those students desiring a general knowledge of organic chemistry from the cultural point of view. Prerequisite: Chemistry 3.

10, 11, 12. **Elementary Quantitative Analysis.** Autumn, Winter and Spring. W., 1:30. Three hours credit each quarter. One lecture and two three-hour laboratory periods. Laboratory: M. W., 2:30-5:30; T. Th., 1:30-4:30. Maw and Colvin.

These courses give training in the technique of gravimetric, volumetric and electrolytic processes in quantitative determinations. The principles and theoretical background are discussed and illustrated in the lectures. Constant drill in solving well chosen problems involving quantitative relations will form an important part of this course. Frequent discussions are arranged with the laboratory groups. It is the aim to make laboratory procedure an intelligent performance based on a thorough understanding rather than a mere mechanical process so that the student will develop self-reliance and be able to use the literature and do independent work. Prerequisites: Chemistry 4, 5, 6 and College Algebra (Mathematics 11).

Upper Division Courses

51. **Advanced Inorganic Chemistry.** Spring. Three hours credit. One recitation and two laboratory periods. (Not given in 1933-34.)

57. **Laboratory Technique.** Autumn, Winter or Spring. One hour credit. F., 2:30. Maw and ....

This course aims to give training in glass manipulation and construction of apparatus.

62. **Quantitative Analysis.** Autumn, Winter, or Spring. Lecture W., 1:30, and one to three three-hour laboratory periods. Two to four hours credit. Maw and Wing.

Continuation of Chemistry 10, 11, 12. Lectures and student reports on special topics bearing on the chemical principle involved.

63. **Advanced Quantitative Analysis.** Autumn, Winter, or Spring. Time to be arranged. Two to ten hours credit according to work done. Maw and Wing.

Complete analysis of typical minerals will be carried out. Written reports.

70. **Organic Chemistry.** Autumn. Recitations M. W. F., 9:30 and two laboratory periods. Five hours credit. Laboratory: T. Th., 1:30-4:30. Maw and Johanson.

Introduction to the study of carbon compounds together with laboratory experience consisting of a study of the more important syntheses and the reactions of the different classes of organic compounds discussed in the class.

71. **Organic Chemistry.** Winter. Three recitations M. W. F., 9:30 and two laboratory periods. Five hours credit. Maw and Johanson.

Continuation of Chemistry 70. Aromatic compounds.

72. **Organic Qualitative Analysis and Advanced Organic Chemistry.** Spring. Two recitations T. Th., 1:30. Laboratory: W. F., 2:30-5:30. Four hours credit. Maw and Johanson.

73. **Organic Preparations.** Spring. M. W. F., 2:30. Three hours credit. A laboratory course. Maw.

76. **Bio-Chemistry.** Spring. M. W. F., 1:30 and two laboratory periods, T. Th., 2:30. Five hours credit.

77. **Bio-Chemistry.** Spring. Two recitations and three laboratory periods. Five hours credit. (Not given this year.)

82. **Introductory Physical Chemistry.** Autumn. T. Th., 9:30 and one laboratory F., 2:30-5:30. Three hours credit. Peterson.

84. **Physical Chemistry.** Continuation of Chemistry 82. Winter. T. Th., 9:30 and one laboratory F., 2:30. Three hours credit. Peterson.

86. **Colloid Chemistry.** Spring. One lecture, W., 9:30 and two laboratory periods T. Th., 2:30. Three hours credit. Peterson.

90, 91, 92. **Seminar.** Autumn, Winter or Spring. M., 4:30. One hour credit. Open to advanced undergraduates.

Graduate Courses

101. **Colloid Chemistry.** Spring. W., 9:30 and two laboratory periods, T. Th., 2:30-5:30. Three hours credit. Peterson.

Fundamental properties of substance in the colloid state. Assigned readings and written and oral reports.

103. **Advanced Organic Chemistry.** Any quarter. Time to be arranged. Three hours credit. Three three-hour laboratory periods. Maw.

Organic Preparations.

104. Qualitative Organic Analysis. Spring. Two recitations T. Th., 1:30 and laboratory W. F., 2:30-5:30. Two hours credit.

Problems and assigned readings. Practice in identifying pure organic compounds and simple mixtures by analysis, physical properties and the preparation of derivatives.

105. Quantitative Organic Analysis. Spring. Time to be arranged. Two hours credit.

Quantitative analysis of organic compounds. Combustion methods. (Not given this year.)

106. Studies in the History of Chemistry. Autumn, Winter, and Spring. One hour credit each quarter.

109. Advanced Inorganic Chemistry. Autumn, Winter, and Spring. Hours and credit to be arranged.

Special topics in inorganic chemistry, written and oral reports.

110. Advanced Inorganic Chemistry. Winter. W., 3:30. Laboratory T. Th., 2:30-5:30. Three hours credit. Peterson.

Preparation of more difficult inorganic substances and a study of non-aqueous solvents.

163. Advanced Quantitative Analysis. Autumn, Winter, or Spring. Time to be arranged. Two to ten hours credit according to work done.

Complete analysis of typical minerals will be carried out. Written reports.

166. Special Methods in Quantitative Analysis.

a. Water Analysis. Two hours credit.
b. Food Analysis. Two hours credit.
c. Electrolytic Analysis. Two hours credit.
d. Fire Assaying. Two hours credit.

These courses may be taken any quarter, the time to be arranged. These are laboratory courses and written reports and discussion of the chemistry involved will form a part of the work. Prerequisites: Chemistry 10, 11, 12 or 62.

176. **Bio-Chemistry.** Spring. Three recitations M. W. F., 7:30. Five hours credit. Two laboratory periods.

Discussion of the chemistry of nutrition, digestion, absorption, assimilation, and excretion in the animal body. (Not given in 1933-34.)

178. **Bio-Chemistry.** Autumn. Three recitations and two laboratory periods. Five hours credit. Continuation of Chemistry 176. (Not given in 1933-34.)

190, 191, 192. **Seminar.** Autumn, Winter, or Spring. M., 4:30. One hour credit.

200. **Research.** Time and credit to be arranged.

Independent work in investigations of problems in physical, inorganic, and analytical chemistry.

ECONOMICS

Professors Swenson, Miller, Nelson; Associate Professor Boyle; Assistant Professor Johnson.

The following courses are required for a major in Economics: Economics 1, 2, 14, 93, 94.

Lower Division Courses

1. **Economics — Introduction and Principles.** Autumn. Sec. 1, 8:30; Sec. 2, 9:30; Sec. 3, 10:30. Winter, 9:30; Spring, 8:30 daily. Five hours credit each quarter. Miller and Johnson.

A general survey of industrial society: its structure, its institutions, its operation. Historical background of the rise of modern capitalistic industry. A study of underlying assumptions of our present regime, such as private property, competition, and the social control of industrial activity. An elementary study of the production, exchange, distribution, and consumption of wealth.

2. **Economics.** Winter. Sec. 1, 8:30; Sec. 2, 9:30; Spring, 9:30, daily. Five hours credit each quarter. Miller and Johnson.

This course is a more advanced study of the underlying principles of economics. An attempt is made to give the student an approach to the economic issues of the day by an intensive study of several of the most pressing contemporary problems and an intelligent appreciation of the factors which make for sound public policy. Prerequisite: course 1.

14. **Economic and Financial History of the United States.** Autumn, Spring, M. W. F., 2:30. Three hours credit. Miller.

The economic development of the United States through the colonial era, the period of industrial revolution, and the westward movement to the present, with special emphasis upon economic integration and industrial organization.

30. Principles of Agricultural Economics. Autumn. M. W. F., 2:30. Three hours credit. Nelson.

An analysis from the standpoint of economics of the industry of agriculture. The place and importance of land in human welfare; the problems of what to produce, the choice of land, proportioning the factors of production, rent and profits, and tenancy, will be among those treated in the course.

31. Agricultural Marketing. Autumn. M. W. F., 9:30. Three hours credit. Johnson.

An analysis of the problems of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers. Attention will be given to the factors which have made for success or failure in the history of cooperative marketing enterprises in America.

Upper Division Courses

53. Principles of Risk-Bearing. Autumn. M. W. F., 10:30. Three hours credit. (Not given this year.)

A course in which consideration will be given to life, health, accident, fire, property and liability insurance; principles of risk-bearing as they apply to each classification of the insurance field; organization and management of insurance companies. Prerequisites: Economics 1 and 2.

56. Transportation Problems. Spring. M. T. W. Th., 9:30. Four hours credit. Miller.

This course deals with the growth and development of railway transportation in the United States; the organization, construction and management of modern systems; the theory of rates; problems of competition; development of public regulation and railway legislation in the United States; general scope and importance of the railway problem at the present time.

60. Labor Legislation. Spring. M. W. F., 9:30. Three hours credit. (Not given this year.)

The state in relation to labor. An intensive study of the legal aspects of the labor movement. Minimum wages, social insurance, regulation of hours, working conditions, etc. Foreign experiments in the field of government regulation and control.

61. Labor Problems. Autumn. M. W. F., 10:30. Three hours credit. Boyle.

This course deals with the wage system, domestic industry, the factory system. The rise and growth of labor organizations. Special problems in labor and industrial unions, with a study of typical organizations. Collective bargaining, boycott, lockout, women and child labor, the effects of immigration upon the American laborer, the mediation and arbitration of industrial disputes.

62, 63. Personnel Administration. (See Accounting and Business Administration 62 and 63.)

67. Public Finance and Taxation. Winter. M. W. F., 2:30. Three hours credit. Miller.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. A general study of the field of taxation.

75. International Economic Policies. Winter. M. W. F., 1:30. Three hours credit. Miller.

A survey with particular reference to the United States, of the international aspects of the economic policies and activities of governments: including the fundamentals of the theory of international trade; purpose, structure, and history of tariffs; commercial treaties; methods of commercial diplomacy; and unfair competition in international trade. A brief discussion of reparations and interallied debts will be given.

76. History of Economic Thought. Spring. Daily, 2:30. Five hours credit. Miller.

The development and trend of economic thought from early times to the establishment of the classical school. A brief survey of economic thought up to about 1750 will be given. A more intensive study of writers will begin here, covering especially Smith, Malthus, Ricardo and Mill.

91. Western Land Problems. Spring. M. W. Th., 10:30. Three hours credit. Nelson. (Not given this year.)

A survey of the outstanding land problems of the Western States, particularly those of the Rocky Mountain division. Attention will be given to the questions of land utilization, reclamation, grazing, the public domain. Special class reports by students will be required.

92. American Agricultural Reform. Winter M. W. F., 9:30. Three hours credit. Nelson. (Not given this year.)

A review of the agrarian movements for economic and social reform in America, including the Patrons of Husbandry, the Farmers' Alliance, the Farmers' Union, the Non-Partisan League, and the American Farm Bureau Federation. Subordinate treatment is given to recent and current programs for farm relief.

93. Economic History of Agriculture. Spring M. W. F., 9:30. Three hours credit. Nelson.

The development of agriculture from its primitive beginnings in the Old World to the present time. The forms of agricultural settlement; the relation of agricultural to urban economy; agricultural revolutions, and measures of reform. Crops and livestock in America; historical background of contemporary agricultural problems.

94. **Advanced Economics.** Autumn or Winter. Daily, 8:30. Five hours credit. Prerequisites: Economics 1, 2, 3. Swenson.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

Graduate Courses

160. **Labor Legislation.** Spring. 9:30. Three hours credit. Miller. (Not given this year.)

161. **Labor Problems.** Winter. M. W. F., 9:30. Three hours credit. Boyle.

167. **Public Finance.** Winter. M. W. F., 2:30. Three hours credit. Miller.

175. **International Economic Problems and Policy.** Winter. Three hours credit. Miller.

176. **History of Economic Thought.** Spring Daily, 2:30. Five hours credit. Miller.

191. **Western Land Problems.** Spring. M. W. F., 10:30. Three hours credit. Nelson. (Not given this year.)

194. **Advanced Economics.** Autumn or Winter. Daily, 8:30. Five hours credit. Prerequisites: Economics 1, 2, 3. Swenson.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

197. **Research.** Time and credit to be arranged. Staff.

200. **Thesis.**

EDUCATIONAL ADMINISTRATION

Associate Professor Lambert; Professor Merrill; Associate Professor Sudweeks; Assistant Professors Boyle, Jensen.

Students who desire to complete an undergraduate major in Educational Administration need not wait until the senior year to plan definitely for such work. A decision to major in this department should be made preferably by the beginning of the junior year. It is better, naturally, to have had a regular teaching course and some experience in teaching before completing a major in administration. This statement is not to be construed, however, as a fixed prerequisite for a major in this department.

For students who do elect to major in this department a reasonable preparation in the following fields is expected by the close of the senior year: (1) General Education Organization and Administration; (2) School Finance, Business Management and Budget Administration; (3) Personnel Problems of the Teaching Staff; (4) Statistical Methods, Tests, Measurements, and Modern Examinations; (5) Techniques in Supervision; (6) The Work of the Superintendent and of the Principal. Some supporting work in Educational Psychology, Curriculum Building and Revision, History of Education, and General Theory or Philosophy of Education (as these fields are offered in other departments of the University), is recommended. By consent of the head of this department, certain courses in other departments may be accepted toward fulfillment of a major in educational administration.

In general, the following guiding sequences in department requirements are recommended: (1) In freshman and sophomore years, the regular University group requirements, and the foundations in some academic teaching field; (2) In the junior year, Educational and Adolescent Psychology, Curricula, Statistical Methods, Tests and Measurements, and Educational Administration 73, 80; (3) In the senior year, Educational Administration 75, 76, 111, 178, 182. Graduate majors are programmed by conference with the head of the department.

Undergraduates majoring in administration who have also kept up some academic teaching field find themselves advantageously equipped for placements in positions where, during the beginning years of professional administrative service, assignments to teach accompany the administrative assignments.

Upper Division Courses

50. Rural Education. Spring. Three hours credit. Merrill. (Not given this year.)

This course deals with rural and educational problems which confront the teachers in the rural communities of the intermountain states.

69. Measurements of High School Teaching. (See Secondary Education 69.) Spring M. W. F., 1:30. Three hours credit. Sudweeks.

73. General Educational Organization and Administration. Autumn. M. T. W. Th., 1:30. Winter, 9:30. Four hours credit.

This course offers students an opportunity to study the various ways in which states, counties, cities, and districts are organized for the administration of public education. The powers and duties of state boards, city boards, and district boards are considered together with the functions of the superintendent and other school officials. The course deals largely with the problems encountered in the actual administration of a school system. This course is the foundation of a major in educational administration. It is also the best general elective for those who desire a general insight into the administrative field.

75. Educational Supervision. Spring. M. T. W. Th., 1:30. Four hours credit.

This course deals with the principles underlying the organization and supervision of classroom instruction. It gives much consideration to objective techniques for supervision. It considers the relationships of teachers, supervisors and administrative officers. The course is planned to assist those who are preparing to do general supervision or to supervise in average systems in the special subjects. The course assumes some knowledge of general administrative practice, of the current theories of classroom procedure, and of educational psychology and testing. The course is open only to seniors and to graduate students.

76. **The Work of the School Principal.** Spring. M. W. F., 10:30. Three hours credit. (Not given this year.)

This is a course which deals with the practical problems of administering a single school; the organization and administration of building, playgrounds, equipment, schedules, student activities, and pupil personnel. It gives large consideration to the supervisory functions of the principal. School publicity and community relationships are considered. Open to both men and women who are preparing for principalships of elementary schools, junior, or senior high schools, and to other students who desire an elective course in the practical aspects of school administration. The course is conducted largely on a problem basis.

79. **Statistical Methods.** Autumn. M. W. F., 2:30. Three hours credit. Sudweeks.

This course deals with the principles and methods underlying the compilation and interpretation of educational statistics. Students who have had Mathematics 13, should consult the instructor.

NOTE: Students will find that a definite knowledge of certain mathematics involved in college algebra and analytic geometry are very valuable bases for the work in this course.

80. **Standard Tests and Testing.** Winter. M. W. F., 8:30. Three hours credit. Sudweeks.

Educational Administration 81 and this course are designed to cover the field of tests and examinations in elementary and high schools. A study of standard tests available for all grades. Each student will carry out a complete testing project in the University

Training School from the choice of problem to the planning of remedial teaching.

81. **Old and New Type Examinations.** Winter. T. Th., 8:30. Two hours credit. Sudweeks.

The place of the old type examination and its improvement. The use and forms of the new type examination. With Educational Administration 80, it covers the field of tests and examinations in elementary and high schools.

85. **Administration of School Transportation.** Spring. T. Th., 10:30. Two hours credit. (Not given this year.)

This course offers students an opportunity to study school transportation as a necessary part of the school program in consolidated districts. It deals with the techniques of determining the needed amounts of transportation and the methods of setting up the transportation system and of administering the details of particular busses and routes. It deals with costs, and methods of financing school transportation.

Graduate Courses

111. **School Finance and Business Management.** Winter. M. T. W. Th., 1:30. Four hours credit. (Not given this year.)

This course will include a study of various systems of raising school revenue. It considers in detail the school revenue system of the State of Utah, including the new program of equalization. It deals with methods of expending school money and accounting for it. It deals with methods of making cost analyses, and estimating financial abilities of states and school districts. Methods of building a school budget and of administering it are considered. A course in general education administration or its equivalent is a necessary prerequsite to this course. Required of all graduates majoring in the department. Undergraduate students may register by consent.

148. Introduction to Research and Thesis Writing. Autumn, Winter. T. Th., 10:30. Two or three hours credit. (See Secondary Education 148.)

This is a course dealing with the principles of scientific procedure and the acceptable techniques of research as they relate to the preparation of a thesis. It is designed to assist students in the selection and refinement of a thesis problem, in the use of sources of materials, in the application of appropriate techniques to the solution of the problem and in organizing and writing the results of investigation into an acceptable report. It considers also acceptable techniques in preparing a bibliography. Senior students may enter with consent of the instructor. All candidates for the Master degree in the College of Education are required to take this course.

150. Graduate Seminar in Education Problems. Alternate Mondays 7:30 to 9:30 p. m. Any quarter, upon request of five or more students. One hour credit.

169. Measurements of High School Teaching. Spring. M. W. F., 1:30. Three hours credit. Sudweeks.

173. General Educational Organization and Administration. Autumn, 1:30. Winter, 9:30. M. T. W. Th. Four hours credit.

This course parallels Educational Administration 73 and is given for graduate students who have not had a basic course in educational administration, and for those who desire to do intensive work in this field. This course is basic to all graduate work in this department.

175. Educational Supervision. Spring, 1:30. Four hours credit.

This course is for graduate students and parallels Educational Administration 75.

176. The Work of the School Principal. Spring, 10:30. Three hours credit. (Not given this year.)

This course parallels Educational Administration 76 and offers graduate students opportunity to do intensive work in the problems of administering the work of one unit of the school system.

178. **Teacher Personnel Problems of the Superintendent in Consolidated School Districts.** Autumn. M. W. F., 9:30. Three hours credit. (Not given this year.)

This course is designed to follow or parallel Educational Administration 173 and is directed not so much toward problems of organizing administrative units, nor the functions of state and local school boards, superintendents and other officials, as it is directed toward the immediate problems of electing and assigning the teaching corps, of devising salary schedules, studying relationships between salaries and cost of living, administering an in-service training program, rating and re-assigning teachers, and handling the many detailed problems of teacher personnel.

179. **Statistical Methods.** Autumn. 2:30. Three hours credit. Sudweeks.

A course designed for graduate students preparing to do statistical research work. Required of all candidates for the Master degree in Education unless equivalent work has been done in undergraduate courses.

NOTE: Students will find that a definite knowledge of certain mathematics involved in college algebra, and analytic geometry, are very valuable bases for the work in this course.

180. **Standard Tests and Testing.** Winter. M. W. F., 8:30. Three hours credit. Sudweeks.

182. **Educational Journals.** Spring. One hour credit. (Not given this year.)

This is a seminar course providing opportunity for students to become acquainted with periodical, monograph, and research literature in Education.

185. Administration of School Transportation. Spring. 10:30. Two hours credit. (Not given this year.)

This course parallels Educational Administration 85 and offers graduate students an opportunity to do some specialized work in this field.

186. Administration of Private and Parochial Schools and Seminaries. Spring. T. Th., 11:30. Two hours credit. (Not given this year.)

This course offers students an opportunity to study the place of the private and the demoninational school in America together with the problems of relationships between private schools and the state schools.

200. The Masters Thesis in Educational Administration. Autumn. Winter. Spring. Lambert, Sudweeks.

Credit of two to four hours, depending upon the magnitude and difficulty of the problem solved, is granted in the last quarter upon the completion of a satisfactory thesis. The conditions of this thesis are set forth in the regulations of the Graduate School, and candidates are urged to read that portion of this catalogue with great care.

ELEMENTARY EDUCATION

Assistant Professor Boyle; Associate Professor Sudweeks; Assistant Professors Dusenberry, Ollorton, Peterson, Jensen, Hanson; Doctors Cullimore, Oaks, Merrill; and Faculty of Elementary Training School

Students majoring in Elementary Education should conform to the following sequence of courses:

Freshman year: Elementary Education 1, Psychology 21, Zoology 20, History 1, Speech 1 or 11, English 1, 2, 3, Library 1, Physical Education 21, 22, 23.

Sophomore year: Elementary Education 12, Geography 52, History 82, Theory of Music 41 or 42, Art 21 or 41, 42.

Junior year: Elementary Education 51, 52, 54, 55, 61 or 62.

Senior year: Elementary Education 63, Educational Administration 75 and 79.

Students in Elementary Education will be required to take a standard achievement test in the common branches. Those failing to reach certain standards will be required to take special courses until such standards are reached before registration for the Elementary School Curriculum.

The following courses in other departments are suggested for those who are preparing for Elementary Teaching: Art 41, 42, 43; Theory of Music 41; Physical Education 21, 22, 23; Secondary Education 51, 57. With the approval of the major professor courses from other departments of the College of Education may be offered to fill major requirements for a degree.

Lower Division Courses

1. Principles of Education. Autumn, Winter or Spring. M. T. W. Th., Four hours credit. Sudweeks.

This is an introductory survey course in education, planned to cover the general field. It serves to orient the student and to introduce him to the other courses in education. Required of all students qualifying for elementary teaching; recommended for all majoring in Elementary Education. The principal topics covered are: the Child, the Teacher, Objectives in Training, the Teaching Process, Measurement, and the American Public School.

12. **The Elementary School Curriculum.** Autumn, Winter. Daily. Five hours credit. Sudweeks.

This course meets the requirements of the Utah State Board of Education for knowledge in this field. It includes a study of representative courses of study, a study of sources of materials, guidance in the selection and organization of materials into suitable teaching units with attention to sequences, time allotment and programming. As prerequisite for registration for this course are certain standards of attainment in the common branches, as shown by a standard achievement test.

20. **Story Telling and Children's Literature.** Autumn, Winter or Spring. T. Th., 8:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes and poems have been largely derived, and practical exercises in the oral presentation of this material.

21. **Juvenile Literature.** Winter or Spring. T. Th., 9:30. Two hours credit. Dusenberry.

A study of literature will be made in a sufficiently detailed way to give a basis for selection, appreciation, and presentation of the best and most suitable material for the elementary school. Graded lists of various types of stories and poems will be completed. This course is a continuation of 20.

22. **Hygiene and Sanitation (Health Education).** Autumn, Winter, or Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, Merrill.

Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

Upper Division Courses

51, 52. Principles of Teaching. Autumn and Winter. M. T. W. Th., 10:30. Three hours credit each quarter. Sec. 1 Kindergarten and Primary Grades, Peterson. Sec. 2 Intermediate Grades, Ollorton.

Required of all students qualifying for elementary teaching; to be taken before or parelleling the course in practice teaching. The course deals with the application of psychological principles to the teaching problems at the various levels of the elementary school, and will be supplemented by demonstrations in the training school.

54. Elementary and Kindergarten Training. Autumn, Winter and Spring. Daily from 8:30 to 10:30, or 1:30 to 3:30. Ten hours credit. Peterson, Ollorton.

This is essentially a laboratory course affording opportunity for practice teachers to apply the principles of teaching developed in the theoretical course.

Students will teach no fewer than one hundred hours. This course is open to sophomore and junior students. Elementary Education 1, Psychology 21, Elementary Education 12 or equivalents are prerequisites for this course. Should the enrollment exceed the capacity of the Training School a selection may be made on the basis of tests and the record in the prerequisite courses.

55. School Organization and Administration. Autumn or Winter. M. W. F., 9:30. Three hours credit. Boyle.

This course will acquaint beginning teachers with the school as an institution in its relation to the state and the community. It will introduce in an elementary but practical way the problems of school organization. It will include the study of the school law as it applies to the elementary school, the means and the agencies by which the law is administered, and the educational control by means of local units. This course meets the State Certificate requirements of school organization and administration.

58. Health Education for Teachers. Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

59. Juvenile Literature. Winter and Spring. 9:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes and poems have been largely derived. Segregation and distribution of suitable poems, myths, fairy tales, and fables will receive consideration. This course is a continuation of Course 20.

60. Technique of Teaching. Autumn. M. W. F., 2:30. Three hours credit. (Not given in 1933-34.)

This course deals with certain of the recent developments in the field of methods and the psychological experiments which have led to the revision of class-room procedure. Emphasis will be given to the new methods which have grown out of the use of standard tests, development of problems teaching, and the guidance methods in teaching made necessary by the definite knowledge of individual differences. Topics discussed will be illustrated by work in the training school. Designed for students who are qualifying for supervision work in any field.

61. First Grade Education. Spring. M. W. Th., 9:30. Three hours credit. Peterson.

Problems of early elementary education. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Classroom observation required. Designed for students in Elementary Education who show special ability in teaching the kindergarten and first grade, and for experienced teachers preparing for supervisory work.

62. Measurements in Elementary Education. Autumn and Spring. M. W. F., 8:30. Three hours credit. Ollorton.

A practical course dealing with the use and interpretation of general intelligence and achievement tests on the elementary school level. The testing program will be considered largely from its value to the class room teacher. Students will take part in giving, scoring tests and interpreting results in practical school testing programs.

63. School Management and Extra Curricular Activities. Spring. T. Th. Two hours credit. Peterson.

A course in the conservation and the obtaining of the maximum educational value of every element in school and classroom organization. Such topics as getting the most out of the study period, the recitation period and the recess; care and use of supplies and books; school-room cleanliness and decoration; school records, reports, etc.; definite disciplinary problems; participation by the students in the management and control of the school.

64. **Myths of the World.** Winter. T. Th., 7:30. Two hours credit. Dusenberry.

This course will first include a comprehensive discussion of the myth and its origin. A study of the specific myths, customs, and folk lore of Egypt and India.

65. **Myths of the World.** Spring. T. Th., 7:30. Two hours credit. Dusenberry.

The major topics to be considered in this course are present and past customs, supersitions, folk lore, and mythological beliefs of the people of China, Japan and Siam; the islands of Bali, Borneo and the Philippines.

66. **Diagnosis and Remedial Work.** Winter. T. Th., 2:30. Two hours credit. Ollorton.

The diagnosis and remedial treatment of difficulties in reading, arithmetic, and spelling. Students will carry on case studies with elementary school children. Open to students who have had Elementary Education 51, 52, and 54, or the equivalent in teaching experience.

Graduate Courses

101. **Secondary Education.** Autumn, Winter and Spring. Time to be arranged. Four hours credit. Merrill.

148. **Elementary Education.** Autumn and Winter. 10:30. Two or three hours credit. (See Secondary Education 148.)

161. **First Grade Education.** Spring. 9:30. Three hours credit. Brown. (See Elementary Education 61.)

162. Measurements of Elementary Education. Autumn and Spring. 8:30. Three hours credit. Ollorton. (See Elementary Education 62.)

163. School Organization and Management. Spring. Two hours credit. Peterson. (See Elementary Education 63.)

180. Research Work. The consent of the instructor is necessary before registering. Sudweeks, Lambert. Students may be given from two to four hours credit for presenting satisfactory thesis on an assigned topic, embodying the results of independent work.

190. Education and the Twentieth Century. Autumn. M. W. F., 9:30. Three hours credit. Woodward. (See Philosophy of Education 90.)

ENGLISH

Alfred Osmond, Professor Emeritus

Professors Christensen, Reynolds, Holt, Merrill; Associate Professor Jensen; Assistant Professors Rowe, Young; Mrs. Roberts, Mrs. Carroll, Miss Egbert, Mr. Culmsee.

Scope of Instruction

The English department offers courses in English language, English literature, American literature, general and comparative literature, and journalism. For convenience the courses in general and comparative literature are brought together. The courses in journalism constitute a departmental division.

Requirements for the Degree of Bachelor of Arts

Students who elect their major in English will be required to complete thirty hours of work in English in addition to courses 1, 2, and 3, and must elect four of the five period courses; provided, however, that they make the following substitutions: Course 60 for 72; 90 for 74; and 91 for 75.

The following additional work is required: Course 12; course 81 or 95; one of the following groups of courses: 83, 84, 85, 86, and 88; and course 82. The following substitutions may, however, be made: Course 57 or three hours of journalism for course 12; and course 24 or 69 for 82. Twenty-four hours in one or more foreign languages are required. A course in English history, unless taken in high school, is strongly recommended.

Courses 20, 21, 22 are not open to students who elect their major in English. For students who minor in English and who intend to teach the subject, the Department specially recommends the following: 11, 12, 15, 16, 24, 71, 72, 73, 74, 75.

Students making English a minor and desiring the recommendation of the Department to take secondary training in English are required to take an examination in grammar and composition.

Requirements for the Degree of Master of Arts

Candidates for the Degree of Master of Arts in English must have the equivalent of the requirements for the Degree of Bachelor of Arts in English and in addition to other graduate courses in English must have two courses in Shakespeare, the course in Old English, and the course in Chaucer.

Placement Tests for Freshman English

In Freshman English due consideration will be given to needs of individual students. To determine these needs all freshmen will be required to take a placement test at the time of registration. Assignments to the respective sections will be made after this test.

Lower Division Courses

1. **Rhetoric and Composition.** Autumn. M. W. F., 8:30. Three hours credit. Sec. 1, Rowe; Sec. 2, Egbert; Sec. 3, Young; Sec. 4, Reynolds. 9:30: Sec. 5, Carroll; Sec. 6, Egbert; Sec. 7, Rowe; Sec. 8, Young. 10:30: Sec. 9, Egbert; Sec. 10, Christensen. 1:30: Sec. 11, Carroll. 2:30: Sec. 12, Carroll; Sec. 13, Egbert.

   Grammar review, themes, exercises, conferences, and prescribed reading.

2. **Rhetoric and Composition.** Winter. Sections and time the same as in course 1. Three hours credit.

   Continuation of course 1.

3. **Rhetoric and Composition.** Spring. Sections and time the same as in courses 1 and 2. Three hours credit.

   Continuation of course 2.

4. **Business English.** Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt.

   The substance and style of business English; correctness of diction; business forms and usages.

11. **Advanced English Grammar.** Autumn, 1:30. Spring, 1:30. Four hours credit. Young.

    Prerequisites: English 1, 2, and 3.

12. **Advanced Rhetoric and Composition.** Winter. M. W. F., 2:30. Three hours credit. Christensen.

Long themes, lectures, conferences, and required reading. Prerequisites: English 1, 2, and 3.

15. **Early American Writers.** Autumn. M. F., 9:30. Two hours credit. Merrill.

A survey of American literature from Captain John Smith to about 1865.

16. **Later American Writers.** Winter. M. F., 9:30. Two hours credit. Merrill.

A survey of American literature from about 1865 to the present century.

17. **Contemporary American Poets.** Spring. T. Th., 1:30. Two hours credit. Osmond.

A study of the principal American poets.

18. **Contemporary American Novelists.** Winter. T. Th., 1:30. Two hours credit. Osmond.

A study of the principal American novelists.

19. **Contemporary American Short Story Writers.** Autumn. T. Th., 1:30. Two hours credit. Osmond.

A study of the principal American short story writers.

20. **Masterpieces of English Literature.** Autumn. T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll. Two hours credit.

A study of the principal English Masterpieces.

21. **Masterpieces of English Literature.** Winter. T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll. Two hours credit.

A continuation of course 20.

22. **Masterpieces of English Literature.** Spring. T. Th. Sec. 1, 9:30, Carroll; Sec. 2, 10:30, Carroll. Two hours credit.

A continuation of course 21.

23. Contemporary British Literature. Spring. M. W. F., 2:30. Three hours credit. Rowe.

24. Shakespeare's Comedies. Autumn. M. T. W. Th., 9:30. Four hours credit. Osmond.

A study of the principal comedies.

30. Literary Appreciation. Autumn. Four hours credit. Osmond.

A study of the literary values of selected masterpieces of English and American literature.

Upper Division Courses

52. Argument and Debate. Spring. M. W. F., 2:30. Three hours credit. Rowe.

A study of the principles of argument followed by a series of debates on current questions. Prerequisites: English 1, 2, and 3.

57. Short-Story Writing. Winter. T. Th., 1:30. Two hours credit. Osmond. (Not given this year.)

In this course the greater part of the student's time is given to practice in writing short-stories. Prerequisites: English 1, 2, and 3.

59. Poetry. Spring. T. Th., 2:30. Two hours credit. Osmond.

A practical course in the various forms of verse-writing.

60. English Drama to 1642. Winter. M. T. W. Th., 1:30. Four hours credit. Young.

The beginning and development of English Drama, not including Shakespeare, to the closing of the theaters.

64. Philology. Spring. T. Th., 2:30. Two hours credit. Osmond.

A study of the history and development of words and their ways in English speech.

69. **Shakespeare's Tragedies.** Winter. M. T. W. Th., 9:30. Four hours credit. Osmond.
A study of the principal tragedies.

71. **Medieval Literature.** Autumn. M. T. W. Th., 9:30. Four hours credit. Christensen.

72. **English Literature from 1500-1660.** Winter. M. T. W. Th., 9:30. Four hours credit. Young. (Not given this year.)

73. **English Literature from 1660-1780.** Spring. M. T. W. Th., 2:30. Four hours credit. Young.

74. **English Literature from 1780-1832.** Winter. M. T. W. Th., 10:30. Four hours credit. Rowe.

75. **English Literature from 1832-1900.** Winter. M. T. W. Th., 10:30. Four hours credit. Reynolds.

81. **Chaucer.** Winter. M. T. W. Th., 8:30. Four hours credit. Christensen.

82. **Shakespeare.** Spring. M. T. W. Th., 9:30. Four hours credit. Christensen.
An intensive and critical study of the principal plays.

83. **Milton.** Winter. M. W. F., 9:30. Three hours credit. Christensen.
A study of the author's poetry and prose.

84. **Wordsworth.** Spring. M. W. F., 10:30. Three hours credit. Reynolds.
The author's theory of poetry and his principal poems will be studied.

85. **Tennyson.** Autumn. M. W. F., 2:30. Three hours credit. Reynolds.
A study of the author's principal major and minor poems.

86. Browning. Winter. M. W. F., 2:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

87. Matthew Arnold. Autumn. T. Th., 2:30. Two hours credit. Christensen.

88. Spenser. Winter. M. W. F., 2:30. Three hours credit. Young.

A study of the author's poetry and prose.

90. Romantic Poetry. Autumn. M. W. F., 10:30. Four hours credit. Reynolds.

A study of romanticism as manifested in the poetry of the eighteenth and nineteenth centuries.

91. The Victorian Poets. Spring. M. W. F., 2:30. Three hours credit. Reynolds.

92. The English Novel. Autumn. M. T. W. Th., 2:30. Four hours credit. Young.

The history of English prose fiction to the time of Scott.

93. The Modern English Novel. Spring. M. T. W. Th., 10:30. Four hours credit. Rowe.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

94. Contemporary English and American Essays. M. T. W. Th., 10:30. Four hours credit. Osmond.

A study of the outstanding essays of the present time.

95. Old English. Autumn. M. T. W. Th., 8:30. Four hours credit. Christensen.

Old English grammar and reading exercises.

96. Beowulf. Winter. Four hours credit. Christensen. (Not given this year.)

The entire poem is read in the original. Prerequisite: course 95.

GENERAL AND COMPARATIVE LITERATURE

Lower Division Courses

26, 27, 28. Types of World Drama. Autumn, Winter, Spring. T. Th., 9:30. Two hours credit each quarter. Egbert.

The great plays of the world are studied according to type.

Upper Division Courses

61. Modern European Drama. Autumn. T. Th., 2:30. Two hours credit. Reynolds. (Continental.)

62. Modern European Drama. Winter. T. Th., 2:30. Two hours credit. Reynolds. (British.)

63. Modern Drama. Spring. T. Th., 2:30. Two hours credit. Reynolds. (American.)

65, 66, 67. Types of World Literature. Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Christensen, assisted by other members of the English department, and by instructors from the various departments of the University.

The purpose of this course is to give the student a background in world culture by initiating him into some of the greatest writings of all times and all peoples. The following kinds of writing will be given special attention: epic, romance, tragedy, comedy, lyric, tale, history, satire, biography, literary criticism, political and philosophical discourses.

97. The History of the English Language. Spring. M. T. W. Th., 8:30. Four hours credit. Christensen.

An historical and philological study of the language from the Old English period to the present time.

98. Literary Criticism. Spring. M. W. F., 2:30. Three hours credit. Christensen.

A study of the problems of criticism in the light of the history of critical theory.

99. **Types of Poetry.** Spring. M. T. W. Th., 10:30. Four hours credit. Osmond.
A study of lyric, epic, and dramatic poetry.

Graduate Courses

(The Period Courses are each four hours credit.)

165, 166, 167. **Types of World Literature.** Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Christensen and others. (For description of course, see course 65.)

171. **Medieval Literature.** Autumn, 9:30. Christensen.

172. **English Literature from 1500 to 1660.** Winter. 9:30. Young. (Not given this year.)

173. **English Literature from 1660 to 1780.** Spring. 2:30. Young.

174. **English Literature from 1780 to 1832.** Winter. 10:30. Rowe.

175. **English Literature from 1832 to 1900.** Winter. 10:30. Reynolds.

181. **Chaucer.** Autumn. 8:30. Four hours credit. Christensen.

182. **Shakespeare.** Spring. 9:30. Four hours credit. Christensen.

183. **Milton.** Winter. 9:30. Three hours credit. Christensen.

184. **Wordsworth.** Spring. 10:30. Three hours credit. Reynolds.

185. **Tennyson.** Autumn. 2:30. Three hours credit. Reynolds.

186. Browning. Winter. 2:30. Three hours credit. Reynolds.

187. Matthew Arnold. Autumn. 2:30. Two hours credit.. Christensen.

188. Spenser. Winter. 2:30. Three hours credit. Young.

195. Old English. Autumn. 8:30. Four hours credit. Christensen.

196. Beowulf. Four hours credit. Christensen. (Not given this year.)

197. The History of the English Language. Spring. 8:30. Christensen.

198. Literary Criticism. Spring. 2:30. Three hours credit. Christensen.

200. Thesis for Master's Degree. Time and credit to be arranged.

JOURNALISM

English 1, 2, and 3 are prerequisites for all courses in Journalism with the exception of the History of Journalism (Journalism 1) which may be taken concurrently with those courses.

Lower Division Courses

1. History of Journalism. Spring. M. F., 10:30. Two hours credit. Merrill.

This course will include a study of the development of the English as well as the American press, but will lay special emphasis upon recent times and movements.

2. News and Newswriting. Autumn. M. W. F., 8:30. Three hours credit . Culmsee.

A course in the study of what constitutes news as well as practice in gathering and writing news copy.

3. Reporting. Winter. Time to be arranged. Two hours credit. Merrill and Culmsee. Prerequisite: Journalism 2.

Methods of gathering and reporting news. Students will gather news in the regular channels in the City of Provo and will have experience in reporting for the daily press. Meetings for lectures will be arranged.

4. **Editing and Makeup.** Winter. T. Th., 8:30. Three hours credit. Culmsee. Prerequisite: Journalism 2.

A study of and practice in copy reading, editing, newspaper makeup, and headline writing.

5. **College Journalism.** Autumn, Winter, or Spring. Time to be arranged. One hour credit each quarter. Culmsee. Prerequisite: Journalism 2 or 4, or their equivalent.

Open only to members of the staff of the Y News who have credit in Journalism 2, 3, or 4, or have something else to substitute.

Upper Division Courses

50. **Feature Writing.** Winter. M. W. F. Time to be arranged. Three hours credit. Culmsee.

51. **Editorials and Editorial Writing.** Winter. M. F., 2:30. Two hours credit. Merrill. (Not given this year.)

52. **Special Feature Articles.** Spring. M. W. F., 8:30. Culmsee. Prerequisite: Journalism 2, or the permission of the instructor.

A study of newspaper and magazine special feature articles, types, and sources. Help will be given in planning and marketing the article.

53. **Writing for the Magazines.** Autumn. M. F., 2:30. Two hours credit. Merrill. Prerequisite: Consultation with the Instructor.

This course is designed for those who have some hope of making writing for the press either their vocation or an important avocation. All types of magazine materials and markets will be studied.

54. **Book Reviewing.** Winter. M. F., 2:30. Two hours credit. Merrill. Prerequisite: Journalism 2 or 3, or English 12.

A study of current books, both fiction and non-fiction, and practice in reviewing them.

60. **Problems of the Weekly Paper.** Spring. M. F., 2:30. Two hours credit. Merrill. Prerequisite: Journalism 2 or 4.

A study of the country weekly, its place in American life, and its possibilities.

65. **Technique of Publicity.** Spring. T. Th., 8:30. Two hours credit. Culmsee. Prerequisite: Journalism 2 or 3.

A study of the approach to the public consciousness through the newspaper, the lecture, the radio address—in fact, a study of the purposes and means of publicizing.

FINANCE AND BANKING

Professors Clark, Swenson, Miller; Mr. Ballif.

Lower Division Courses

14. **Economic and Financial History of the United States.** Autumn and Spring. M. W. F., 2:30. Three hours credit. Miller. (See Economics 14.)

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

21. **Commercial Law.** Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 43.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

22. **Commercial Law.** Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 44.)

A study of the law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barters, and bailments. Reference will be made to the leading cases decided by the courts.

23. **Commercial Law.** Spring. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Political Science 45.)

A study of the law governing relationships arising out of business association. Agency, partnerships and corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

51, 52. Business Finance. Autumn, Winter. M. T. W. Th., 9:30. Four hours credit each quarter. Clark.

Financial problems connected with the organization of corporations, underwriting and the sale of securities, management, expansion, and the reorganization of those that are not successful. Prerequisites: Economics 1 and 2.

53. Money and Banking. Spring. M. T. W. Th., 9:30. Four hours credit. Clark.

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States. A study of the present-day currency and banking problems in the United States. Prerequisites: Economics 11 and 12.

54. Investments. Spring. M. T. W. Th., 9:30. Four hours credit. Clark. (Not given this year.)

A study of the various forms of investment; distinction between investment and speculation; methods of investment. Prerequisite: Finance and Banking 51.

67. Public Finance and Taxation. Winter. M. W. F., 2:30. Three hours credit. Miller. (See Economics 67.)

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

Graduate Course

101. Research in Business Finance. Winter, Spring. Two to five hours credit. Clark.

GEOLOGY AND GEOGRAPHY

Professors Hansen, Martin; Associate Professor Hales; Mr. Coffman.

GEOLOGY

Geology 1, 2, 30, 51, 57, 71, 91 are required of students majoring in Geology.

Lower Division Courses

1. **Physical Geology.** Autumn. Lectures. M. W. F., 8:30, and two Saturday field trips. Three hours credit. Hansen.

This course introduces in considerable detail the physical aspects of geology and should be elected by those intending to major in the subject.

2. **Historical Geology.** Winter. M. W. F., and some assigned laboratory work. Three hours credit. Hansen.

A course in the development of the earth and the forms of life that have inhabited it. Prerequisite: Geology 1.

11. **Survey Course.** Spring. Lectures, M. T. W. Th., 10:30. Four hours credit. Hansen and Coffman.

A survey of the fields of physical and historical geology, which will give the student a basis for reading and thinking on the relation of the earth, man and nature. For non-science students who are interested only in a general orientation in this phase of physical science.

30. **Mineralogy.** Winter. T. Th., 8:30. Laboratory T. Th., 2:30 to 4:30. Four hours credit. Hansen. Prerequisite: high school chemistry or an introductory course in college chemistry.

An elementary course in the study of about 80 of the more common minerals that can be determined by simple chemical and blowpipe tests.

Upper Division Courses

51. **Structural and Field Geology.** Spring. Daily, 8:30, and forty hours laboratory or field work during the quarter. Five hours credit. Hansen.

A course in the recognition and interpretation of rocks, rock structures and deformations, on geological maps and in the field. Training in the making of geological maps and sections. Emphasis is laid on the influence of rock structures on the deposition of metal deposits and the accumulation of oil and water. Prerequisites: Geology 1 and 2.

55. **Sedimentation.** Winter. M. W. F., 8:30. Three hours credit. Hansen. (Not given this year.)

Lectures on the processes of sedimentation, supplemented by laboratory studies of unconsolidated sediments and sedimentary rocks with the idea of determining their origin and the conditions under which they are formed.

57. **Soil Geology.** Spring. M. W. F., 8:30. Three hours credit. Martin. Prerequisites: Geology 1 or 2 and Chemistry 1.

61. **Geology of the United States.** Spring. Daily. Five hours credit. Hansen. Prerequisites: Geology 1, 2 and 51. (Not given this year.)

A thorough course in the stratigraphy of the United States by physiographic provinces. The materials published by the U. S. Geological Survey and the state surveys will be used.

63. **Water Resources.** Autumn. M. W. F., 1:30. Three hours credit. Coffman. (See Agronomy 63.) (Not given this year.)

A study of underground waters and their economic importance with special reference to streams, springs, wells, and drainage. Prerequisite: Geology 1.

71. **Invertebrate Paleontology.** Spring. M. W. F., 2:30, and three hours laboratory work. Prerequisite; Zoology 55. Three hours credit. Hansen. This course alternates with course 72.

A study of invertebrate life forms, of the parts that may be fossilized, and of the condition under which plant and animal remains have been preserved; and deals with the collection and preparation of fossils and their identification.

72. **Vertebrate Paleontology.** Spring. T. Th., 10:30. Three hours laboratory. Prerequisite: Zoology 56 or Geology 3. Three hours credit. Hansen. (Not given this year.)

73. **Stratigraphy and Fossils of the Wasatch.** Autumn. Time to be arranged. Eight hours field or laboratory work. Prerequisite: Geology 71. Three hours credit. Hansen.

A course in the rocks and fossils of the Wasatch range giving the student experience in collecting and determining fossils and their age.

83. **Seminar.** Autumn, Winter and Spring. One hour credit each quarter. W., 3:30.

Required of junior and senior students who are majoring in this department.

91. **Economic Geology.** Winter. Daily, 10:30. Five hours credit. Hansen.

The geologic occurrence, economic importance and methods employed in mining the non-metallic, metallic, and mineral products. Attempts to evaluate these minerals in the United States and especially those in Utah. Suggests prospecting methods and the economic factors concerned in successful exploitation. Prerequisites: Geology 1, 2, and 30.

93. **Ore Deposits of Utah.** Spring. T. Th., 8:30, and trips to Utah mining districts, the expense of which the student must meet. Three hours credit. Hansen.

Intended to follow course 91. It deals with the genesis of the ores of Utah and their profitable extraction. Embraces a study of the mining districts of the state. Prerequisite: Geology 91.

96. Readings in Geology. One to three hours credit. For students majoring in Geology. Hansen.

Graduate Courses

101, 102, 103. Research. Hours and credit to be arranged. Hansen.

Special problems in the field of Geology will be assigned to students prepared to do original work.

110. Geology of Utah. Autumn, T. Th., 1:30, and three long field trips, the expense of which is borne by the students. Three hours credit. Prerequisites: Geology 1, 2, and 51. Hansen.

Intended for advanced or graduate students who already have a working knowledge of Geology. Deals with the geologic history of the state and its development into distinct provinces. A thorough study of its stratigraphy is made; type localities will be visited to study the formations and structures.

121. Index Fossils. Spring. M., 10:30, and six hours laboratory work by arrangement. Three hours credit. Hansen.

A course dealing with the fossils that mark the geologic periods in Utah. Prerequisites: Geology 2 and 71, or their equivalent.

155. Sedimentation.

161. Geology of the United States.

191. Special Problems in Non-Metals.

192. Special Problems in Metals.

194. Engineering Problems in Geology.

200. Thesis Work.

GEOGRAPHY

Lower Division Courses

5. **Introductory Geography.** Autumn. Daily, 1:30. Five hours credit. Coffman.

Course introducing all other work in the department. Deals with the fundamental principles of Geography whether political, historical, physiographic or economic.

6. **Physiography.** Winter. M. W. F., 1:30. Three hours credit. Hansen and Coffman. (Not given this year.)

A general course in the agencies at work on the earth's surface and the forms developed by them.

7. **Advanced Physiography.** Spring. M. W. F., 1:30, and several field trips by arrangement. Four hours credit. Prerequisite: Geography 6. Hansen and Coffman.

Continuation of course 6. (Not given this year.)

21. **Meteorology.** Autumn. M. T. W. Th., 10:30. Four hours credit. Hales. (See Physics 21.)

This course deals with the physics of the earth's atmosphere. It includes a study of the causes which produce variations in pressure, temperature, and humidity of the air and their influence upon the weather and the climate. This course is particularly valuable to those interested in aeronautics, weather bureau work or teaching.

31. **Geography of Economic Products.** Spring. Daily, 1:30. Three hours credit. Coffman.

This course deals with the geographic and human factors that have governed the development and localization of industries.

Upper Division Courses

50. **The Geography of Life.** Spring. M. W. F., 10:30, and all-day field trips. Four hours credit. Hansen. (Not given this year.)

Lectures and readings on the factors that control the distribution and abundance of plant, animal and human life. A thesis on some assigned aspect of the subject.

52. **Human Geography.** Autumn. M. W. F., 10:30. Three hours credit. Hansen.

The response man has made to his geographic environment. Deals less with men's modification and control of nature than with nature's effect on him.

62. **Geography of the United States.** Autumn. M. W. F. Three hours credit. Hansen. (Not given this year.)

Geography 1 and 2 are prerequisites to this course.

Graduate Courses

105, 106, 107. **Research.** Hours and credit to be arranged. Hansen.

Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.

111. **Physiography of Utah.** Spring. T. Th., 8:30, and three Saturday field trips. Three hours credit. Hansen.

Open to advanced students in Geography. Deals with the present surface forms of Utah and how they came to be developed.

152. **Special Problems in Human Geography.**

162. **Geography of United States.**

200. **Thesis Work.**

HISTORY

Professors Jensen, Snow; Associate Professor Sperry; Assistant Professor Swenson.

Requirements for a Major in History

Students must present a minimum of fifteen hours of upper division credit in History. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. **History of Civilization.** Autumn. Daily, 9:30. Five hours credit. Snow.

This course will neglect destructive forces, and survey constructively the whole field of human progress from the earliest developments to the present time. Orientation in all lines of human achievement is the primary objective. It is hoped that such a comprehensive view of the world will serve, in a small way at least, as an introduction to all the other studies in the curriculum, and at the same time broaden the sympathies of the students, give them a stronger feeling of fellowship toward all mankind, and increase their appreciation of the heritage of the ages. While planned more particularly for freshman and sophomore students, it will, it is hoped, be of value to all who desire exposure to the general phases of man's upward climbing.

10. **History of England to 1485.** Autumn. M. W. F., 8:30. Three hours credit. Snow.

The origins of English institutions; the beginnings of nationality; the Norman conquest and its results; feudalism in England; influence of Henry II and Edward I; parliamentary development of the 13th century; the beginning and development of popular rights; the rise of the industrial and commercial classes; the Hundred Years War; the Wars of the Roses.

11. **History of England, 1485 to 1714.** Winter. M. W. F., 8:30. Three hours credit. Snow.

England under the Tudors; constitutional reaction; the struggle of the Stuarts with the forces of Puritanism; the Commonwealth and the Protectorate; influences of Cromwell; the Restoration; the Revolution of 1688; reign of Queen Anne.

12. **History of England, 1714 to 1927.** Spring. M. W. F., 8:30. Three hours credit. Snow.

The development of cabinet government; the wars with France; the Napoleonic struggles; the conditions leading to the American Revolution and the loss of the American colonies; the expansion of the British Empire; the political, social, religious, and economic reforms of the nineteenth century; the Irish question; Great Britain in the World War; problems since the War.

20. **History of the United States to 1789.** Autumn. M. W. F., 2:30. Three hours credit. Jensen.

A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts, and results of the American Revolution; establishment of state governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution.

21. **History of the United States, 1789 to 1861.** Winter. M. W. F., 2:30. Three hours credit. Jensen.

The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England; the "Rise of the New West"; formulation of the Monroe Doctrine; the Jacksonian "reign"; nullification; the Mexican war; economic, political, and moral phases of slavery.

22. History of the United States Since 1861. Spring. M. W. F., 2:30. Three hours credit. Jensen.

The problems of secession; the military, political, and economic aspects of the Civil War; problems of reconstruction; civil service reform; the Far West; Spanish-American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War; post-war problems.

23. Great American Political Personalities. Autumn. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

A study of the lives and times of prominent Americans who have helped to influence and shape American history from colonial times to the present.

28. History of Latin America. Winter. M. W. F., 8:30. Three hours credit. Snow. (Not given this year.)

This course will cover in a summary fashion, and in a more thorough manner the history of the Hispanic American republics and their relation to the United States.

29. History of Latin America. Spring. M. W. F., 8:30. Three hours credit. Snow. Continuation of History 28. (Not given this year.)

Upper Division Courses

50. Early Oriental History. Autumn. M. W. F., 10:30. Three hours credit. Sperry.

This course deals with the most ancient civilizations of the world. A study is made of Egypt, Babylonia, Assyria, China, India, Arabia, Persia, the Hebrews, and other oriental races. The course will be helpful to those especially interested in the Jewish scripture.

51, 52, 53. History of the Hebrew Civilization. Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. Sperry.

A survey of the forces acting on the Hebrew commonwealth from earliest times. The message and present significance of the great creative personalities in Hebrew religious life will be especially emphasized.

54. **Grecian History.** Winter. M. W. F., 10:30. Three hours credit. Sperry.
A study of the development of the political, social and economic life of the Greek people from the earliest time to the conquest by Alexander. The fifth and fourth centuries will be given special consideraation.

57. **Roman History.** Spring. M. W. F., 10:30. Three hours credit. Sperry.
A brief survey of the earlier period and the Republic, and a more intensive study of the imperial period, its struggles and vicissitudes to the period of Justinian.

62. **Medieval History.** Winter. M. W. F., 9:30. Three hours credit. Snow.
Studies covering the period from 500-1200. Considerable attention will be given to the Latin Church, the growth of Monasticism and the interrelation of Charlemagne's Empire and the Papacy, the growth and character of Feudalism, and finally review the rising power of the Church and European society in general in the twelfth century.

63. **Medieval History.** Spring. M. W. F., 9:30. Three hours credit. Snow.
A survey of the cultural and political development of Europe, 1200-1500.

70. **Europe, 1500-1713.** Autumn. M. W. F., 2:30. Three hours credit. Snow.

A study of the Revolutionary ideas that challenged the traditional views in theology, science, and politics, and a consideration of the conflicts resulting therefrom.

71. **Europe, 1713-1871.** Winter. M. W. F., 2:30. Three hours credit. Snow.

(a) A survey of European rivalries and wars to 1763; (b) A study of the intellectual awakening in science and philosophy culminating in the American and French Revolutions, and followed by the struggle between liberalism and reaction to 1871.

72. **Europe, Since 1871.** Spring. M. W. F., 2:30. Three hours credit. Snow.

A study of the new imperialism and its far reaching results in Asia, Africa, Australia, and South America; International relations, 1870-1914; (a) the Concert of Europe, (b) the Hegemony of Germany, (c) the balance of power; general and immediate causes of the World War; the progress and conclusion of the War.

80. **History of the West and the Ever Receding American Frontier.** Autumn. M. W. F., 3:30. Three hours credit. Snow.

After a brief survey of European expansion in North America and international rivalry for the Caribean area and the Atlantic tidewater region, attention is given to the French in the heart of America and their eventual downfall at the hands of the English in 1763. Spanish expansion in the southwest and up the Pacific coast is given consideration. With this background and setting the American west and the significance of the frontier are given detailed study.

81. **History of the West.** Winter M. W. F., 3:30. Three hours credit. Snow.

The development and filling in of the Trans-Mississippi West and the acquisition of territory from Spain and Mexico in 1848.

82. **History of the West.** Spring. M. W. F., 3:30. Three hours credit. Snow.

Various aspects of the frontier and the West in

American politics. Western panaceas for economic ills, the cow countries, railroad activities, admission of omnibus states, disappearance of frontier in 1892.

95. American History to 1789. Autumn. T. Th., 2:30. Two hours credit. Jensen.

A study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the Revolutionary struggle; problems of the Confederation; the work of the Federal Constitutional Convention.

96. History of the United States from 1789 to 1861. Winter. T. Th., 2:30. Two hours credit. Jensen.

A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation.

97. History of the United States Since 1861. Spring. T. Th., 2:30. Two hours credit. Jensen.

An examination of the theory of secession; constitutional aspects of the war power; the problem of reconstruction; questions relating to industrial and economic expansion, insular possessions, the World War and its after effects.

Graduate Courses

110. History of England, 1066-1688. A study of the rise of the bourgeoisie and the evolution of Parliamentary supremacy.

111. History of England, 1689-1832. An intensive study of the evolution of cabinet government, or the Machine Age and its industrial and social consequences.

112. History of England Since 1832. Expansion and industrialism and the new economic doctrine of laissez-faire.

150. Early Oriental History. Problems of ancient civilizations.

151, 152, 153. History of Hebrew Civilization.

154. Grecian History. A study of important problems dealing with the development of Greek life and culture.

157. Roman History. Problems of agrarian reform and Roman imperialism.

162. Medieval History. The struggle between the empire and papacy, feudalism, monasticism, etc.

163. Medieval History. The growth of cities, rise of national monarchies, pre-reformation movement, etc.

170. Modern History. The new Science and philosophy of the seventeenth and eighteenth centuries.

171. Modern History. The struggle between liberalism and conservatism in the nineteenth century.

172. Modern History. Some problems connected with the World War and intricate world relations since then.

180. History of the West. The West as a factor in international rivalry to 1763, and as a potential force in the American Revolution.

181. History of the West. The influence of the West in the opening of the Mississippi, the War of 1812, the American system, etc.

182. History of the West. The history of the Trans-Mississippi West, the Great Basin, etc.

195. American History. Problems of Colonial and Revolutionary history.

196. American History. Topics in the development of American political and historical institutions.

197. History of the United States. Problems in recent American constitutional history.

200. Research for Master's Thesis.

HOME ECONOMICS

Associate Professor Warnick; Professors Elliott, Larsen; Miss Swenson, Miss Scorup, Miss Billings.

It is advised that students of Home Economics take both major and minor in this department as this facilitates placement in teaching positions. Major or minor may be obtained in Clothing and Textiles, or Foods and Nutrition or Household Administration. Some Clothing and Textiles and Foods and Nutrition credits will be accepted toward a major in Household Administration. It is recommended that the prerequisites of courses be taken as listed. Household Administration 71 and Secondary Education 67 are required of students expecting teaching postions.

CLOTHING AND TEXTILES

Six approved hours of Foods and Nutrition and Household Administration may count towards a major in Clothing and Textiles.

Lower Division Courses

1 or 70. Clothing Selection and Construction. Autumn. Sec. 1, 8:30; Sec. 2, 2:30. M. T. W. Th. Two hours credit. Billings.

Fundamental principles of clothing selection and construction applied to personal clothing. The development of judgment and good taste by application of art principles to clothing. Emphasis will be placed upon the development of skills and the use of commercial patterns. Prerequisite or parallel Art 21.

2 or 71. Clothing Design and Construction. Winter. Sec. 1, 8:30; Sec. 2, 2:30. M. T. W. Th. Two hours credit. Billings.

Basic principles of design and pattern building through a study of methods of blocking, draping, and designing. Garments will be constructed from patterns created by student. Prerequisite or parallel Art 25.

3 or 72. Clothing Construction and Selection. Spring. Sec. 1, 8:30; Sec. 2, 2:30. M. T. W. Th. Two hours credit. Billings.

Recapitulation of clothing problems and techniques as applied to clothing selection and construction. Prerequisite or parallel Art 26.

Note: Courses 1, 2 and 3 should be taken in sequence. Exceptions may be made only by consent of instructor.

5. Survey Course in Clothing Construction. Autumn, Winter, Spring. M. T. W. Th., 10:30. Two hours credit. Billings.

Introducing fundamental problems involved in wise selection, artistic design and construction of personal clothing.

10. Dress Appreciation. Autumn. 1:30, M. W. F. Three hours credit. Billings.

A study of the economic and artistic problems involved in the purchase of ready-to-wear clothing, care of clothing, emphasis on fashion problems.

Upper Division Courses

50. Clothing Decoration. Autumn. M. T. W. Th., 9:30. Two hours credit. Elliott.

Decorative needle work stitches applicable to household and dress decoration. Planning and developing simple decorative designs for all types of clothing. Articles of clothing applying these stitches will be made in the course.

51. Practical Household Crafts. Winter. M. T. W. Th., 9:30. Two hours credit. Elliott.

The decorative stitchery given in course 50 is applied on clothing and articles used in the home.

52. Children's Clothing. Spring. M. T. W. Th., 9:30. Two hours credit. Elliott.

A consideration of design and construction of children's clothing suitable to various ages and types.

55. Advanced Garment Construction. Autumn. M. W. F., 2:30. Two hours credit. Elliott.

Practice in renovating and remodeling. The principles of tailoring and applying the same to clothing.

56. Advanced Garment Construction. Winter. M. W. F., 2:30. Two hours credit. Elliott.

Problems involved in the technique of dresses, coats, and suits. Emphasis will be placed on the tailoring of these articles, supplemented with lectures, discussions and demonstrations.

57. Wardrobe Building. Spring. M. W. F., 2:30. Two hours credit. Elliott.

Planning and designing dainty clothing for a college girl's wardrobe. Emphasis is put on the finishings of trimmings and material and on color combination.

60, 61. Textiles. Autumn and Winter. T. Th., 10:30. Three hours credit each quarter. Elliott.

Prerequisite: Chemistry 3. History of primitive and modern methods of manufacturing textiles. This includes a study of growth, preparation and manufacture of fibers as a basis of judgment in the purchase and use of materials used for clothing and house furnishings. Special consideration is given to the economic trend of the commonly used fibers.

62. Textiles. Spring. T. Th., 10:30. Three hours credit. Elliott.

Continuation of course 61.

Field trips to stores and industries to study material are part of this course.

65. Costume Design. Winter. M. W. F., 1:30. Three hours credit. Billings.

A study of art principles and their application to costume design, with special consideration of line, texture, and color to suit definite types. A brief study of sources of present-day fashion. Prerequisite: Art 21 or 25.

66. Advanced Costume Design. Spring. M. W. F., 1:30. Three hours credit. Billings.

The historic development of fashion and its contribution to present day styles. Principles and skills underlying the development of costume for school entertainment. Emphasis will be placed on original and creative effort. Prerequisite: Clothing and Textiles 65.

FOODS AND NUTRITION

Four approved hours of Clothing and Textiles or Household Administration may count toward a major in Foods and Nutrition.

Lower Division Courses

1. Food Problems in the Home. Autumn. T. Th. Lecture 2:30-3:30; Laboratory 3:30-5:30. Three hours credit. Scorup. (Not given this year.)

For girls not majoring in home economics who desire some experience in the planning, preparation, and serving of adequate, well-cooked family meals. Considers costs, selection, and preservation of foods; preparation of breakfast dishes, the planning, preparation and serving of breakfast at a limited cost.

2. Food Problems in the Home. Winter. T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Scorup. (Not given this year.)

A continuation of course 1. Planning a convenient kitchen; selection of kitchen equipment; preparation of luncheon and dinner dishes; the planning, preparation, and serving of various types of family luncheons and dinners at a limited cost. Managerial ability and marketing are stressed.

3. Food Problems in the Home. Spring. M. W. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Scorup. (Not given this year.)

A continuation of course 2. Preparation of dinner dishes and the planning, preparation, and serving of various types of family dinners at a limited cost.

Special attention is given to the cookery of meats and vegetables.

Note: Courses 1, 2, and 3 may be taken in order but there are no prerequisites for them.

4. **Cookery Problems.** Spring. M. W. F.; Laboratory 7:30-8:30. One hour credit. Scorup.

For men desiring experience in simple meal preparation. Special fee $2.00. (Not given this year.)

5. **Elementary Nutrition.** Winter. T. Th., 10:30. Two hours credit. Scorup.

A study of the nutritive properties of common food materials and the essentials of an adequate diet. As this course is designed primarily for normal students, food for the school child will receive special attention. Open to men and women and required of students minoring in Foods and Nutrition who do not take course 53.

10 or 70. **Food Selection, Preparation, and Serving.** Autumn. M. W. Lecture 2:30-3:30. Laboratory, Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite, Chemistry 3 or equivalent. Special emphasis is placed on experimental cookery. The economy, the palatability, and proper balance of meals are considered. Special emphasis is placed dishes suitable for breakfast and their serving.

11 or 71. **Food Selection, Preparation, and Serving.** Winter. M. W., Lecture 2:30-3:30. Laboratory. Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite: course 10. A continuation of course 10, with special emphasis on different luncheon dishes. Various types of luncheons are served.

12 or 72. **Food Selection, Preparation and Serving.** Spring. M. W. Lecture, 2:30-3:30. Laboratory. Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Scorup.

Prerequisite: course 11. A continuation of courses 10 and 11. Special emphasis is placed on formal table service. Dishes and menus for different types of dinners are studied.

15 or 75. Food Economics. Autumn. T. Th., 10:30. Laboratory in form of field trips. Three hours credit. Scorup.

Food marketing and purchasing. Principles underlying selection of materials and supplies, markets, advertising, and brands will be considered with reference to public economy and conservation. Food budgets and preservation of foods. Special assignments will be made in food marketing problems. The subject is approached from the viewpoint of the buyer of foods and the teacher of home economics.

Upper Division Courses

50. Large Quantity Cookery and Marketing. Autumn, Winter, Spring. Daily. 10:30-1:30. Five hours credit. Swenson.

Experience in management of school cafeterias, quantity cookery, marketing, keeping of cafeteria accounts. Prerequisites or parallel courses 10, 11, 12, or equivalents. Students should register in the autumn for a place during the year. Limited to five students each quarter.

52. Nutrition of Children. Winter. T. Th., 1:30. Laboratory, M. T. Th. F., 11:30-1:30. Three hours credit. Warnick. (Not given this year.)

A consideration of the nutritional requirements and disorders of pregnancy, infancy, the pre-school and the school child. Laboratory work will be given in connection with undernourished children in the Training School.

53. Nutrition. Autumn. M. W. F., 9:30. Four hours credit. **Scorup. Laboratory** W. 2:30-5:30.

Prerequisites: Chemistry 3, 9, 76 and Home Economics 10, 11, 12. A study of the chemistry, digestion and metabolism of carbohydrates, fats, and proteins, also the properties of food and their effect on health and growth. This course and the two following, should be taken whenever possible in the junior year.

54. **Dietetics.** Winter. M. W. F., 9:30. Laboratory 2:30-5:30. **Four hours credit. Scorup.**

Prerequisite: course 53. A continuation of course 53, with a discussion of the latest work on minerals and their metabolism, vitamins and the deficiency diseases. The food requirements of the family and individual are considered.

55. **Nutrition in Disease.** Spring. M. W. F., 9:30. Laboratory, Wednesday 2:30-5:30. Four hours credit. Scorup.

Prerequisite: courses 53 and 54. This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases.

56. **Seminar in Nutrition.** Spring. T. Th., 10:30. Two hours credit. Scorup. (Not given this year.)

Required of all senior girls majoring in Foods and Nutrition.

57. **Advanced Problems in Cookery.** Winter. Time to be arranged. Two hours credit. Lecture and laboratory period. Scorup.

58. **Experimental Animal Nutrition.** Open to seniors and graduates only. Prerequisite: 5 hours in organic or biochemistry and courses 53 and 54. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged. (See Animal Husbandry 98.)

HOUSEHOLD ADMINISTRATION

Ten approved hours of Foods and Nutrition and Clothing and Textiles may count towards a major in this field.

Lower Division Courses

1. **Household Problems.** Autumn. T. Th., 9:30. Two hours credit. Warnick.

This course will present the most important problems in the organization and management of the household, including a simple study of the family income and its expenditure. Open to housewives and to students not majoring in home economics.

10. **Family Health.** Winter. T. Th., 8:30. Two hours credit. Warnick.

A consideration of factors underlying health, common communicable diseases and their treatment; home care of the sick.

Upper Division Courses

50. **Home Planning.** Winter. M. W. F., 1:30. Two hours credit. Larsen.

Historic development of the house. Study of American styles of home architecture. Proper location and environment for the home. House planning. Study of plans and specifications. Effect of form, line and color. Prerequisite: Art 21. (See Art 80.)

51. **Interior Decoration.** Spring. M. W. F., 1:30. Two hours credit. Larsen.

Study of Art principles as applied to the furnishing and decorating of the home. Relation of art to floor finishes and coverings, natural and artificial lighting, draperies and upholstering, furniture, pictures and bric-a-brac.

60. **Home Management.** Spring. M. W. F., 8:30. Three hours credit. Warnick.

The study of the organization and management of the home, including home ideals, methods of work, division of time in the household and household tools.

61. Economics of the Household. Winter. M. W. F., 8:30. Three hours credit. Warnick. (Not given this year.)

A study of the household in its economic and social relation, including a study of the family income and its expenditure. Prerequisite: Sociology 11 or Economics 11.

62. Family Relationships. Spring. M. W. F., 1:30. Three hours credit. Warnick.

The modern family, its function and structure; modern social conditions affecting its stability and pattern; characteristics of a well adjusted family; desirable traits of family members; responsibilities and contributions of members of the family group to the family life, economic, social, moral, spiritual. Preparation for marriage. Open to men and women.

63. Standardization of Consumer's Goods. Winter. M. W. F., 8:30. Three hours credit. Warnick.

This course will consider the position of the consumer-buyer today; the nature of standards and standardization; the process of standardization; and the present status of standardization.

64. Housing Problems of the Modern Family. Autumn. M. W. F., 8:30. Three hours credit. Warnick.

This course will aim to present and discuss problems facing the homemaker today in the selection of shelter for the family. It will consider social aspects of housing, convenience of floor plan, heating, ventilation, lighting, plumbing, sanitation, housing standards, and methods of financing. Owning or renting, cost of building, and what to look for in renting or buying a home will be included.

70. Vocational Survey of Field of Home Economics. Autumn. T., 1:30. One hour credit.

Members of Home Economics Faculty.

Vocational opportunities for the home economics trained woman are investigated and discussed with the view of directing major students in selecting the field for which they are best adapted. Required of all junior students, also seniors who have not previously had the course.

71. **Methods of Teaching Home Economics.** Spring. T. Th., 7:30. Two hours credit. Warnick.

A study of adapting home economic courses to existing home and community needs; equipment and teaching facilities; laboratory arrangement and management; the teacher and professional adjustment. For juniors majoring in home economics, who are preparing to teach.

72. **Methods of Teaching Home Economics.** Autumn. T. Th., 8:30. Two hours credit. Warnick.

A discussion of objectives, teaching methods in their relation to home economics, curriculum content, project teaching and related subject matter. For seniors in home economics who are preparing to teach. (See Secondary Teaching 67.)

80. **Child Care.** Autumn. M. W. F., 1:30. Three hours credit. Warnick.

Agencies working for child welfare; problems of parental and infant care; physical and mental standards of development; general care and hygiene of mother and child.

81. **Child Development.** Winter. M. W. F., 1:30. Three hours credit. Warnick.

Habit formation and behavior problems of the infant and pre-school child; home influence in the care and training of children; mental hygiene, observation of children in the home.

82. **Seminar in Child Development.** Spring. One hour credit. Time to be arranged. Warnick.

HORTICULTURE

Associate Professor Morris; Mr. Shaw.

Students majoring in Horticulture are required to take the following: 1, 3, 6, 51, 53, 57, 59. Botany 12 should be taken the first year.

Lower Division Courses

1. **Principles of Pomology.** Autumn. M. W. F., 8:30; Laboratory M., 2:30-5:30. Four hours credit. Shaw.

The principles underlying profitable orchard management. Profits will be emphasized. History of orcharding in the United States, methods of planting, selection of locations and sites, marketing, storage, harvesting, thinning, proper care of the trees.

2. **Olericulture.** Spring. M. W. F., 8:30; Laboratory M., 2:30-5:30. Three hours credit. Shaw.

The underlying principles of home and commercial vegetable production. Production for better profits emphasized.

3. **Plant Propagation.** Winter. T. Th., 9:30. Laboratory W., 2:30-5:30. Three hours credit. Morris, Shaw.

Sexual and asexual means of propagation studied spores, seeds, grafting, budding, cutting, layering, separation.

4, 5, 6. **Ornamental Herbaceous Plant Materials.** Autumn, Winter, Spring. T., 1:30. One hour credit each quarter. Morris. (See Landscape Architecture 4, 5, 6.)

Annual and perennial flowering plants used in landscape design will be studied. Cultural methods, and insects and disease pests of each will be also considered.

7. **Small Fruits.** Winter. M. W., 9:30. Laboratory W., 2:30-5:30. Three hours credit. Shaw.

A study of varieties, propagation, cultural methods, pruning, training, insect and disease control, and harvesting. Crops studied are grapes, strawberries, raspberries, dewberries, blackberries, currants and gooseberries.

8. **Ornamental Woody Plant Materials.** Autumn. T. Th., 8:30; Laboratory 2:30-5:30. Three hours credit. Morris.

Ornamental shrubs and trees used in landscape design will be studied. The student will learn to identify a large number, and also to control various pests that attack them.

9. **Ornamental Woody Plant Materials.** Spring. T. Th., 8:30; Laboratory 2:30 to 5:30. Three hours credit. Morris.

This course is a continuation of Horticulture 8.

10. **Landscape Design.** Autumn. T. Th., 9:30; Laboratory T., 2:30-5:30. Three hours credit. Morris.

(See Landscape Architecture 9.)

Upper Division Courses

51. **Origin and History of Cultivated Plants.** Winter. T. Th., 8:30. Two hours credit. Morris.

Study of origin of species and varieties. Changes and adaption of plants. Interesting historical facts of plants.

52. **Systematic Pomology.** Autumn. T. Th., 1:30; Laboratory, F., 2:30-5:30. Three hours credit. Shaw.

Emphasis placed on identification of fruits and fruit trees. Wild and cultivated species studied. Development of varieties from species. Description and nomenclature.

53. **Fundamentals of Fruit Production.** Spring. M. W. F., 1:30. Three hours credit. Shaw.

A technical course based upon plant physiology and morphology as applied to fruit production. Nutrition, water relations, winter injury, pollination problems, physiology of pruning, climatic factors will be studied. Prerequisites: Agronomy 41, Botany 60, and Chemistry 9 or equivalent.

54. Commercial Gardening. Autumn. T. Th., 2:30. Two hours credit. Shaw.

A study of large scale production for canning factories, special and general markets.

55. Practical Problems in Horticulture. Spring. Laboratory course. Time to be arranged. One hour credit. Shaw.

A study of horticultural problems in Utah. Orchards and plantations will be visited and studied.

58. Commercial Pomology. Spring. M. W. F., 1:30. Three hours credit. Shaw.

Problems dealing with the handling and marketing of fruits, including picking, grading, packing, transportation, storage and marketing.

59. Plant Breeding. Winter. M. W. F., 1:30. Three hours credit. Morris.

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection for the development of plant varities, as practiced in Europe and America. Prerequisite: Genetics (given in Zoology and Botany departments).

80. Advanced Vegetable Physiology. Winter. M. W. F., 2:30. Three hours credit. Shaw.

Ecological and physiological factors underlying the production, preparation for market, and storage of vegetable crops. Prerequisites: Agronomy 41, Botany 60 and Chemistry 9 or equivalent.

91. Seminar. Three hours credit. Time to be arranged.

A study of the research work being done at the various experiment stations. For seniors majoring in Horticulture.

Graduate Courses

101. Methods of Research. Time and credit to be arranged.

Methods used in the investigation of horticultural problems. Study of published reports, outlining, methods of attack.

102. Research. Time and credit to be arranged.
Students who are qualified are required to do some horticultural research problems.

153. Advanced Fruit Production.

180. Advanced Vegetable Physiology.

LIBRARY

Miss Ollorton, Mrs. Gillespie, and Mrs. Brown

11. Use of Books and Libraries. Autumn, Winter, or Spring. Th., 3:30. One hour credit.
The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalog will receive special emphasis.

MATHEMATICS

Professors Eyring, Marshall; Associate Professor Hales.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 49, 50, 51, 52, 71, 72.

Lower Division Courses

11. College Algebra. Autumn. Daily, 8:30 and 2:30. Five hours credit. Eyring and Marshall.

A study of fractions, exponents and radicals, quadratic equations, logarithms, elementary series, determinants, etc.

12. Plane Trigonometry. Winter. Daily. 8:30 and 2:30. Five hours credit. Marshall and Hales.

13. Graphical and Statistical Methods. Spring. Daily, 9:30. Five hours credit. (Not given this year.)

The graphical representation of data, method of averages, measurement of variability, correlation, probable errors, etc.

35. Mathematical Theory of Investments. Spring. M. W. F., 2:30. Three hours credit. Marshall.

Application of Algebra to general business problems, such as annuities, amortization, capitalization, depreciation, sinking fund, bond values and building and loan associations.

49. Analytic Geometry. Spring. Daily, 8:30. Five hours credit. Eyring.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc. Prerequisites: Mathematics 11 and 12.

Upper Division Courses

50. Differential Calculus. Autumn. M. T. W. Th., 8:30. Four hours credit. Marshall.

An introductory course with numerous applications of the principles to tracing of curves, and the solution of problems from geometry and mechanics. Prerequisite: Mathematics 49.

51. **Integral Calculus.** Winter. M. T. W. Th., 8:30. Four hours credit. Marshall.

The purpose and nature of integration is developed. Principles applied to problems in geometry, mechanics and physics.

52. **Advanced Calculus.** Spring. M. T. W. Th., 8:30. Four hours credit. Marshall.

Development of the definite integral as a sum, together with development of the more theoretical aspects of the differential calculus. Use of partial derivatives, multiple integrals, development in series, Green's Theorem, etc.

71. **Differential Equations.** Autumn. M. W. F., 9:30. Three hours credit. Marshall.

The study of differential equations of the first order, linear differential equations, total and partial differential equations with numerous applications to physics. Junior or senior year. Prerequisite: Mathematics 52.

72. **Differential Equations.** Winter. M. W. F., 9:30. Three hours credit. Marshall. Continuation of 71.

81. **Theoretical Mechanics.** Autumn. Daily, 10:30. Five hours credit. Eyring.

Fundamental principles of mechanics and their applications to physical problems. Prerequisites: Calculus and Physics 41, 42, 43.

82. **Dynamics.** Winter. Daily, 8:30. Five hours credit. Eyring.

The application of d'Alembert's principle, generalized coordinates, the Lagrangian and canonical equations, Hamilton's principle, and the Hamilton-Jacobi differential equation to the solution of dynamical problems. Prerequisites: Mathematics 71, 72, 81.

Graduate Courses

101. Vector Analysis. Winter. M. W. F. Three hours credit. Marshall. (Not given this year.)

Fundamental operations of vector analysis.

102. Vector Analysis. Spring. M. W. F. Three hours credit. Marshall. (Not given this year.)

Application of vector analysis to mechanics, electromagnetic theory, and other branches of mathematical physics.

105. Advanced Calculus. Autumn. Daily, 10:30. Five hours credit. Marshall.

A review of the fundamental theory of the calculus presented with a view to precision of statement and accuracy of proof. Study of Taylor's Series, partial differentiation, complex numbers, vectors, etc. Prerequisite: Mathematics 72.

106. Advanced Calculus. Winter. Daily, 10:30. Five hours credit. Marshall.

Theory of differential equations, study of simple integrals, multiple integrals, and infinite integrals.

107. Advanced Calculus. Spring. Daily, 10:30. Five hours credit. Marshall.

Study of some classes of functions defined by integrals; introduction to calculus of variations, and theory of functions.

Courses 105, 106, and 107 will follow an outline somewhat as given in Wood's "Advanced Calculus."

171. Differential Equations. Autumn. M. W. F., 9:30. Three hours credit. Marshall.

172. Differential Equations. Autumn. M. W. F., 9:30. Three hours credit. Marshall.

182. Dynamics. Winter. Daily, 10:30. Five hours credit. Eyring.

192. Readings in Mathematics. Credit, one to three hours, depending on the work done. Marshall.

200. Thesis in Mathematics. Credit to be arranged.

MECHANIC ARTS

Assistant Professor Snell; Professors Hansen, Eastmond, Larsen; Mr. Bigelow.

For mechanic arts teachers, it is advised that both major and minor be taken in this department.

Credit in shop courses in Mechanics is given on the basis of three hours for nine hours application each week during the quarter.

MECHANICS

Lower Division Courses

1. **Art Metal Work.** Winter. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 35.)
2. **Art Leather Work.** Spring. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 36.)

4. **Shop Practice.** Autumn. Daily 1:30-3:30. Three hours credit. Snell.

   The making of projects suitable for junior and senior high school instruction in sheet metal, cold iron, and electrical lighting circuits, buzzers, bells, heating elements, etc.

5. **Ornamental Iron Work.** Autumn. T. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

   Craftsmanship in wrought iron work. Designing, cutting, sawing, bending, drilling, tapping, threading, finishing, etc. Lectures and outside preparation.

7. **Tool Technique.** Autumn, Winter, Spring. M. W. F., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

   Required of all prospective teachers. Sharpening, care and use of woodworking hand tools, applied in fundamental principles of sawing, joining, fitting, fastening, etc.

11. **Elementary Auto Mechanics.** Autumn. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

    Construction of the automobile and an elementary study of the principles involved. Lubrication, assembling and repairing of brakes, rear axels, transmission systems and engines. Drafting recommended as parallel course. Lectures and demonstrations twice a week.

12. **Elementary Auto Mechanics.** Winter. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

Construction and adjustment of carburetors and ignition system.

13. **Elementary Auto Mechanics.** Spring. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

Ignition, timing, "trouble shooting," battery work and starting and lighting systems.

17. **Wood Turning.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

Exercises and projects in wood turning executed through individual designs.

18. **Pattern Making.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

The principles of pattern making are taught through the making of simple patterns for machine parts.

19. **Wood and Metal Finishing.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Preparation of surfaces for the application of finishes. Staining, painting, varnishing, lacquering, polishing, etc. Use of the brush and air gun.

21. **Upholstering and Seat Weaving.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

Typical forms of upholstery, including foundations with and without springs. Seat and panel weaving with cane and fiber.

23. **Cement.** Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Cement, mixes, tests, forming, finishing, etc., in structural and ornamental projects.

27. **Cabinet Construction.** Autumn. M. T. W. Th., 1:30-3:30, 3:30-5:30. Two or three hours credit. Snell.

This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings are submitted and the article is made to conform to these. Training is given in the use of modern wood-working machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and polishing. Credit given on the basis of three hours credit for nine hours application each week. Prerequisite: Drawing 13.

28. **Cabinet Construction.** Winter. M. T. W. Th. Snell. Continuation of 27.

29. **Cabinet Construction.** Spring. M. W. F., 1:30-3:30. Snell.

Continuation of 28.

Upper Division Courses

51. **Ignition.** Autumn. Daily, 3:30-5:30. Two or three hours credit. Bigelow.

Battery, vibrator, and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

52. **Generators and Starting Motors.** Winter. Bigelow. Hours and credit as in 51.

The working principles of the dynamo, and testing for shorts and open circuits. Reverse current cutouts, types of generator regulation as third brush control systems. Testing and adjustments of the generator output.

53. **Machine Work and Welding.** Spring. Bigelow. Hours and credit the same as in 51.

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

57. **Standard Construction Methods.** Autumn. M. W. F., 8:30. Three hours credit. Snell.

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, equipment, etc.

58. **Carpentry.** Autumn, Winter, Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Thorough drill in saw filling. Tool practice applied in practical problems. Fitting and hanging doors and windows, building in cabinets, stair construction and framing. Prerequisite: Course 7, and Drawing 13.

59. **Estimating.** Spring. M. W. F., 8:30. Three hours credit. Snell.

Interpretation of plans and specifications. Methods of estimating and figuring costs of material and labor for excavations, foundations, cement work, heating, plumbing, painting, etc. Permits, contracts, liens. Prerequisite: Drawing 13.

64. **Mill Work — Woodworking Machinery.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Credit will be given on the quality and quantity of work accomplished on the basis of nine hours application each week for three hours credit. Snell.

Work will be handled as nearly as possible as in actual practice. Estimates and working drawings will be made and a careful check of material and labor kept and computed for each job.

65, 66, 67. Shop Work. Autumn, Winter, Spring. Two or three hours credit. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Snell.

Under the supervision of the instructor, students may do advanced work, consisting of the erection of buildings, cabinet work, upholstery, pattern work, or novelty work. Complete plans and specifications must be submitted and accepted before work is begun. Prerequisites: courses 57, 58, 59, or their equivalents.

DRAWING

While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

Lower Division Courses

1. Theory and Practice of Design. Autumn. M. W F., 1:30. Two hours credit. Eastmond and Larsen. (See Art 21.)

2. Elements of Drawing. Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

This course is designed to give some facility in lettering, drawing of simple working drawings, charts, graphs, making sketches and reading drawings. (See Accounting and Business Administration 10.)

3. Free-hand Lettering. Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practice in lettering as applied in architectural and engineering office work.

4. Engineering Drawing. Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

The care and use of instruments, lettering, applied geometry, and orthographic projection.

5. Engineering Drawing. Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

Pictorial representation, developed surfaces, intersections, and working drawings. Prerequisite: Drawing 4 or equivalent.

6. **Descriptive Geometry.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

This course includes a study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution, with application to practical problems. Prerequisites: Drawing 4 and 5.

8. **Elementary Machine Design.** Autumn. Daily, 9:30 or 10:30. Two hours credit. Snell.

Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blue-Prints. Prerequisites: Drawing 4, 5, 6.

9. **Elementary Machine Design.** Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 8.

10. **Shades and Shadows.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Planned to give fundamental knowledge necessary for casting shadows in architectural design.

11. **Instrumental Perspective.** Autumn, Winter, or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

The theory and application of methods of drawing architectural perspectives. Prerequisites: Drawing 4, 5 and 6, or equivalent.

12. **Rendering.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Wash rendering practice plates and rendering of architectural elements.

13. **Architectural Drawing.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisites: Drawing 4, 5 and 6, or equivalent.

14. **Architectural Drawing.** Winter. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 13.

15. **Architectural Drawing.** Spring. Daily, 9:30 or 10:30. Two hours credit.

Continuation of 14.

16, 17, 18. **Architectural Design.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Extra laboratory period arranged any afternoon. Two or three hours credit each quarter. Snell.

A series of order problems involving the study of the principles of composition. Problems similar to Class B Analytiques of the Beaux-Arts Institute of Design will be followed. Prerequisites: Drawing 6, 10, 11, 12.

19. **Topographical Drawing.** Autumn, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practical elementary work in topographical drawing. Mapping and plotting from field notes. Prerequisites: Drawing 4, 5 and 6.

Upper Division Courses

51, 52, 53. **Architectural Design.** Autumn, Winter, Spring. Daily, 9:30-10:30. Extra laboratory periods arranged any afternoon. Three hours credit each quarter. Snell.

Designing, rendering, detailing, tracing, and blue-printing. A complete set of plans with one display drawing each quarter. Prerequisites: Drawing 16, 17 and 18.

ENGINEERING

Drawing 4, 5, 6, 7, and Mechanics 7, 18, 51, 52, 53, 57, 59 are required of all pre-engineering students.

Lower Division Courses

1. **Elementary Surveying.** Autumn, Spring. M. W. F., 3:30. Two hours credit. ————————.

Methods of using the compass, tape, level and transit in making plain surveys are explained by lectures and field exercises. Drawings necessary to interpret and plot surveying field notes are made. Prerequisites: Trigonometry and Drawing 4, 5, 6, 7.

Upper Division Courses

63. **Irrigation and Drainage.** Autumn. M. W. F., 1:30. Three hours credit. Coffman. (See Geology 63.)

91. **Economic Geology—Non-Metals.** Winter. M. W. F., 10:30. Three hours credit. Hansen. (See Geology 91.)

92. **Economic Geology — Metals.** Winter. M. W. F., 10:30. Three hours credit. Hansen. (See Geology 92.)

94. **Plane Table Surveying.** Spring. M. W. F., 3:30. Two hours credit. Hansen and Snell. (See Geology 94 and Drawing 19.)

MODERN AND CLASSICAL LANGUAGES

Professors Cummings, de Jong; Associate Professor Sperry; Miss Black, Mr. Whetten.

Students who major in a modern language are required to furnish in addition to courses 1, 2, 3 or their equivalent in high school credit, 58, 59, 60, 61, 62, 63, 65, series 71-73, or series 81-83, 91, and Phonetics 42.

GERMAN

Lower Division Courses

1, 2, 3. Elementary German. Autumn, Winter, Spring. Daily, 9:30. Five hours credit. De Jong.

The first course of this series is intended for those who have had no German. Pronunciation, reading and the fundamentals of grammar. Special emphasis is laid on the building up of a substantial reading vocabulary.

11, 12, 13. Elementary German. Autumn, Winter, Spring. Daily, 9:30. Five hours credit. De Jong.

The first course of this series is designed for those who have had no German. The series is intended for those who have the desire and ability to make more than ordinary progress in German. Training in the ability to read. Drill in understanding spoken German and in speaking German. The series should be taken by German majors.

Upper Division Courses

54, 55, 56. Advanced German. Autumn, Winter, Spring. M. W. F., 8:30. Three hours credit each quarter. De Jong.

Prerequisite: German 3 or fifteen hours of German, or two units of German in high school. Comprehensive study of grammar. Conversation and composition based on reading. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

58, 59, 60. Advanced German. Autumn, Winter, Spring. M. W. F., 8:30. Three hours credit. De Jong.

Prerequisites: German 11, 12, 13 or their equivalent. Designed for those who desire to advance rapidly in the language and especially for German majors. The various language skills are further developed; viz., reading, understanding, speaking and writing, with special attention to grammar. Courses 58, 59, 60 lay a solid foundation for courses above 60.

61, 62, 63. German Composition and Conversation. Autumn, Winter, Spring. T. Th., 8:30. Two hours credit each quarter. De Jong.

Prerequisite: twenty-four hours of German or the consent of the instructor.

65. Methods of Teaching Modern Languages. Autumn. T. Th. Time to be arranged. Two hours credit. Cummings. (See Secondary Education 65.)

Designed for language majors in their senior year and should follow work in principles of education and general methods.

71, 72, 73. Survey of German Literature. Autumn, Winter, Spring. T. Th., 3:30. Two hours credit each quarter. De Jong.

Prerequisite: twenty-four hours of German. A general survey of German literature from the beginnings to the present.

81, 82, 83. Modern German Literature. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. De Jong. (Not given this year.)

Prerequisite: twenty-four hours of German. Reading in the fields of fiction, plays, poetry.

91. Contemporary German Civilization. Autumn. W., 4:30-6:20. Two hours credit. De Jong.

Open to all students. The life, customs, sciences, art, etc., of present-day Germany. Lectures given in English. Outside reading may be done in English or German.

Graduate Courses

At least 40 hours of undergraduate German are prerequisite to graduate credit in any graduate course to be applied toward a master's degree in German.

121, 122, 123. German Novel from 1800 to the Present. Two hours credit each quarter. De Jong. (Not given this year.)

131, 132, 133. German Drama from 1800 to the Present. Two hours credit each quarter. De Jong. (Not given this year.)

141. Lessing. Autumn. Time to be arranged. Two hours credit. De Jong.

142. Schiller. Winter. Time to be arranged. Two hours credit. De Jong.

143. Goethe. Spring. Time to be arranged. Two hours credit. De Jong.

161, 162, 163. Advanced German Composition and Conversation. Autumn, Winter and Spring. Time to be arranged. Two hours credit each quarter. De Jong.

165. Methods of Teaching Modern Languages. Autumn. T. Th. Time to be arranged. Two hours credit. Cummings.

171, 172, 173. German Literature of the Eighteenth, Nineteenth, and Twentieth Centuries Respectively. Time to be arranged. Two hours credit each quarter. De Jong. (Not given this year.)

200. Research for Master's Thesis.

FRENCH

Lower Division Courses

1, 2, 3. Elementary French. Autumn, Winter, Spring. Daily, 2:30. Five hours credit each quarter. Cummings.

The first course of this series is designed for those who have had no French. Pronunciation, reading and the fundamentals of grammar. Special emphasis is laid on the building of a substantial reading vocabulary.

11, 12, 13. Elementary French. Autumn, Winter, Spring. Daily, 2:30. Five hours credit each quarter. Cummings.

The first course of this series is designed for those who have had no French. The series is intended for those who have the desire and the ability to make more than ordinary progress in French. Training in the ability to read. Drill in understanding spoken French and speaking French. The series should be taken by French majors.

Upper Division Courses

54, 55,56. Advanced French. Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit. Cummings.

Prerequisite: French 3, or fifteen hours of French or two units of French in high school. Comprehensive study of grammar. Conversation and composition based on reading. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

58, 59, 60. Advanced French. Autumn, Winter, Spring. M. W. F., 3:30. Three hours credit. Cummings.

Prerequisites: French 11, 12, 13 or their equivalent. Designed for those who desire to advance rapidly in the language and especially for French majors. The various language skills are further developed; viz., reading, understanding, speaking and writing, with special attention to grammar. Courses 58, 59, 60 lay a solid foundation for courses above 60.

61, 62, 63. French Composition and Conversation. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite: twenty-four hours of French or the consent of the instructor.

65. Methods of Teaching Modern Languages. Autumn. T. Th. Time to be arranged. Two hours credit. Cummings. (See Secondary Education 65.)

71, 72, 73. Survey of French Literature. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings.

Prerequisite: twenty-four hours of French. A general survey of French literature from the beginnings to the present.

81, 82, 83. Modern French Literature. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite: twenty-four hours of French. Reading in the fields of fiction, plays, poetry.

91. Contemporary French Civilization. Winter. W., 4:30-6:20. Two hours credit. Cummings.

Open to all students. The life, customs, sciences, art, etc., of present-day France. Lectures given in English. Outside reading may be done in English or French.

Graduate Courses

At least 40 hours of undergraduate French are prerequisite to graduate credit in any graduate course to be applied towards a master's degree in French.

121, 122, 123. French Novel from 1800 to the Present. Autumn, Winter Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

131, 132, 133. French Drama from 1800 to the Present. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

141. Corneille. Autumn. Time to be arranged. Two hours credit. Cummings.

142. Racine. Winter. Time to be arranged. Two hours credit. Cummings.

143. Moliere. Spring. Time to be arranged. Two hours credit. Cummings.

161, 162, 163. Advanced French Composition and Conversation. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

165. Methods of Teaching Modern Languages. Autumn. T. Th. Time to be arranged. Two hours credit. Cummings.

171, 172, 173. French Literature of the Seventeenth, Eighteenth, and Nineteenth Centuries. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings.

200. Research for Master's Thesis.

SPANISH

Lower Division Courses

1, 2, 3. Elementary Spanish. Autumn, Winter, Spring. Daily, 8:30. Five hours credit each quarter. Whetten.

The first course of this series is designed for those who have had no Spanish. Pronunciation, reading, and the fundamentals of grammar. Special emphasis on the building of a substantial reading vocabulary.

Upper Division Courses

54, 55, 56. Advanced Spanish. Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. Whetten.

Prerequisite: Spanish 3, or fifteen hours of Spanish or two units of Spanish in high school. Comprehensive study of grammar. Conversation and composition based on reading. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. Spanish Composition and Conversation. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite: twenty-four hours of Spanish.

65. Methods of Teaching Modern Languages. Autumn. T. Th. Time to be arranged. Two hours credit. Cummings. (See Secondary Education 65.)

Designed for language majors in their senior year and should follow work in principles of education and general methods.

71, 72, 73. Survey of Spanish Literature. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite: twenty-four hours of Spanish. A general survey of Spanish literature from the beginnings to the present.

81, 82, 83. Modern Spanish Literature. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. (Not given this year.)

Prerequisite: twenty-four hours of Spanish. Reading in the fields of fiction, plays, poetry.

ITALIAN

Lower Division Courses

1, 2, 3. Elementary Italian. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings.

Introduction to the elements of grammar. Special attention to accurate pronunciation for the benefit especially of students of vocal music. Easy reading.

LATIN

Lower Division Courses

1, 2, 3. Elementary Latin. Autumn, Winter, Spring. Daily, 9:30. Five hours credit. Black. (Not given this year.)

The first course in this series is designed for those who have had no Latin. Mastery of pronunciation, declensions and conjugations. Correlation of Latin originals with English derivatives. Graded reading. Attention is given to the characteristics of Roman civilization.

Upper Division Courses

54, 55, 56. Advanced Latin. Autumn, Winter Spring. Daily, 9:30. Five hours credit. Black.

Prerequisite: Latin 3 or two units of Latin in high school. Comprehensive study of grammar. Composition. Reading from the classics.

HEBREW

Lower Division Courses

1, 2, 3. Elementary Hebrew. Autumn, Winter, Spring. T. Th., 9:30, and another hour to be arranged. Three hours credit each quarter. Sperry.

A beginning course. Pronunciation, fundamentals of grammar, and drill in graded reading.

PHONETICS

Lower Division Course

42. Practical Phonetics. Winter, 1:30. Two hours credit. De Jong.

The elementary principles of speech mechanics in their relation to correct diction. This course correlates with courses in the Modern Languages, Speech, and Vocal Music.

MUSIC

Professors Jepperson-Madsen, Robertson, Madsen, de Jong; Associate Professor Sauer; Assistant Professor Hanson; Miss Summerhays, Mr. Nelson, Mr. Fitzroy, Mrs. Packard, Mr. Buggert.

Those who major in the Department of Music must complete the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 31; 61; 81; Piano, 3 hours; Vocal Culture, 3 hours; and Vocal or Instrumental Ensemble, 6 hours. Those preparing to teach should also take Theory of Music 41 and 91. These requirements are subject to change where conditions warrant individual consideration.

The work presented by those who minor in the Department of Music should include the following courses: Theory of Music 11, 12, 13; 21; 22; 31; 41.

Private courses are indicated by -p. In the instrumental division, the letter immediately following the number indicates the instrument; e. g., 7 p-p means course 7, private piano; 3 t-p means course 3, private trombone, etc.

THEORY OF MUSIC

Lower Division Courses

11. Grammar of Music. Autumn. T. Th. Two hours credit. Madsen.

12, 13. Solfeggio. Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

The study of intervals, diction, and sight-singing.

21, 22, 23. Harmony. Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Robertson.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords; open harmony.

31, 32, 33. Philosophy and Appreciation of Music. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

The important philosophies of music and musicians; the philosophy of the elements of music, musical structure, musical compositions, musical values.

41. Public School Methods. Autumn or Spring. M. W. F. Three hours credit. Hanson.

Special technique of instruction and material for the grades; class demonstrations and supervised teaching. Prerequisite: Theory of Music 11.

Upper Division Courses

61, 62, 63. Solfeggio. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

Prerequisite: Theory of Music 11, 12, and 13. Training in advanced sight singing.

71, 72. Harmony. Autumn, Winter. M. W. F. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 21, 22, 23. Modulation; secondary seventh and altered chords; non-harmonic tones; modern harmony.

73. Form and Analysis. Spring. M. W. F. Three hours credit. Robertson.

Prerequisite: Theory of Music 72, or the equivalent. Study of musical form, from the section to the sonata; harmonic analysis.

81, 82, 83. History. Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Madsen.

Alien musical systems, ancient and modern. Origin of musical instruments. Medieval and modern music.

91. High School Methods. Winter. T. Th. Two hours credit. Hanson.

Special technique of instruction and materials for the junior and senior high schools. This course should precede or accompany Secondary Education 54. (See Secondary Education 64.)

92, 93. Counterpoint. Autumn, Winter. T. Th. Two hours credit each quarter. Madsen.

An elementary course in counterpoint.

94. Composition. Spring. T. Th. Two hours credit. Madsen.

An elementary course in composition in the smaller forms. Prerequisites: Theory of Music 73, 92, 93.

95. Instrumentation. Winter. T. Th. Two hours credit. Sauer.

A practical course for high school teachers and supervisors in arranging for band and orchestra.

Graduate Courses

121, 122, 123. Counterpoint. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisites: Theory of Music 71, 72, 73. Strict and free counterpoint in the various species.

124, 125, 126. Canon and Fugue. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisites: Theory of Music 121, 122, 123.

127, 128, 129. Instrumentation. Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 23. Study of orchestra instruments; arranging in solo, duet, trio, and quartet form; arranging for string and symphony orchestra.

171, 172, 173. Modal Counterpoint. Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 23. The contrapuntal system of Palestrina, Des Pres, and Lasso.

181, 182, 183. Composition. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisite: Theory of Music 73, and at least one quarter of 121 or 171.

200. Research.

INSTRUMENTAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6. Band. Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of director.

7, 8, 9; 10, 11, 12. Orchestra. Autumn, Winter, Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director.

13, 14, 15; 16, 17, 18. String Ensemble. Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Robertson.

19, 20, 21; 22, 23, 24. Band Ensemble. Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Sauer.

1, 2, 3; 4, 5, 6p-p. Piano. Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

7, 8, 9p-p. Piano Ensemble. Autumn, Winter, Spring. One hour credit each quarter. Nelson.

The fundamentals of ensemble playing. Four, six, and eight hand arrangements.

10p-p. Piano Pedagogy. Any quarter. One hour credit. Nelson, Hanson, Fitzroy.

Methods and problems of piano teaching in the elementary grades.

1, 2, 3; 4, 5, 6v-p. Violin. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

1, 2, 3; 4, 5, 6c-p. Cornet. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3b-p. Baritone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13b-p. Bassoon. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

21, 22, 23b-p. Bass (Tuba). Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13; 14, 15, 16c-p. Clarinet. Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

1, 2, 3d-p. Drums and Tympani. Autumn, Winter, Spring. One hours credit each quarter. Sauer.

1, 2, 3f-p. Flute. Autumn, Winter, Spring. One hour credit each quarter. Nelson.

11, 12, 13f-p. French Horn. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3o-p. Oboe. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13o-p. Organ. Autumn, Winter, Spring. One hour credit each quarter. De Jong.

1, 2, 3; 4, 5, 6s-p. Saxophone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13s-p. String Bass. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3; 4, 5, 6t-p. Trombone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13v-p. Viola. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

21, 22, 23; 24, 25, 26v-p. Violoncello. Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Upper Division Courses

51, 52, 53; 54, 55, 56. Concert Band. Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of the director. Standard overtures, operatic selections, and miscellaneous military band music.

57, 58, 59; 60, 61, 62. Symphony Orchestra. Autumn, Winter, Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director. Study of selections, overtures, symphonies, and accompaniments.

51, 52, 53; 54, 55, 56p-p. Piano. Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

63, 64, 65; 66, 67, 68. String Ensemble. Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Robertson.

69, 70, 71; 72, 73, 74. Band Ensemble. Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Sauer.

51, 52, 53; 54, 55, 56v-p. Violin. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

51, 52, 53; 54, 55, 56c-p. Cornet. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

61, 62, 63; 64, 65, 66c-p. Clarinet. Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

61, 62, 63; 64, 65, 66o-p. Organ. Autumn, Winter, Spring. De Jong.

63p-p. Piano Pedagogy. Spring. One hour credit. Nelson.

Prerequisite: 10p-p. Methods and problems of piano teaching in the higher grades.

51, 52, 53t-p. Trombone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

71, 72, 73; 74, 75, 76v-p. Violoncello. Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Graduate Courses

101, 102, 103-p. Instrumental. Autumn, Winter, Spring. One hour credit each quarter.

Advanced instruction on any of the standard instruments.

VOCAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6-p. Vocal Culture. Private or in groups. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

13, 14, 15; 16, 17, 18. Ladies Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Open to inexperienced singers. This course also provides participation in mixed chorus.

13, 14, 15; 16, 17, 18. Male Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Open to inexperienced singers. This course also provides participation in mixed chorus.

19, 20, 21. Mixed Chorus. Autumn, Winter, Spring. One hour credit each quarter. Madsen.

42. Phonetics. Winter. T. Th., 1:30. Two hours credit. De Jong.

(See Phonetics 42 in Department of Modern and Classical Languages.)

Upper Division Courses

51, 52, 53; 54, 55, 56-p. Vocal Culture. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

63, 64, 65; 66, 67, 68. Ladies Glee Club, Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

63, 64, 65; 66, 67, 68. Male Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

Graduate Courses

111, 112, 113-p. Vocal Culture. Autumn, Winter, Spring. One hour credit each quarter.

OFFICE PRACTICE

Professor Holt; Mrs. Roberts, Mrs. Lloyd, Miss Strickler.

Lower Division Courses

11, 12, 13. Shorthand. Autumn, Winter, Spring. Daily, 8:30; 9:30. Four hours credit each quarter. Strickler.

Principles of shorthand writing according to the Gregg system.

14, 15, 16. Advanced Shorthand. Autumn, Winter, Spring. M. W. F., 10:30. Three hours credit each quarter. Strickler.

Dictation work. Special attention will be given to reporting forms, and to the development of skillful writers. Advanced dictation, correlated with secretarial work.

21, 22, 23. Typewriting. Autumn, Winter, Spring. Six hours a week. Two hours credit each quarter. See instructors for time. Lloyd.

Touch typewriting, according to standard methods.

24. Typewriting. Autumn, Winter, Spring. Daily. Two hours credit. (Elect one quarter only.) Lloyd.

31. Business English. Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt.

The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure, and diction. Business forms and usages.

PHYSICAL EDUCATION

Professor Romney, Dr. Cullimore, Dr. Oaks, Dr. Merrill, Assistant Professors Hart, Jeppson; Mr. Dixon, Miss Coleman.

The purpose of the department is primarily to conserve the health and vitality of the students, to establish correct motor habits and to educate for wholesome and efficient living. To offset the undesirable effects of sedentary school life, vigorous activity in the form of games, gymnastics and competitive athletics are offered. Instruction is given in personal hygiene in connection with the exercise period so that the students may have a theoretical basis as a guide to correct living.

A thorough physical and medical examination will be given each new student upon entering the institution. All freshmen are required to take one credit hour of physical education of the physical activity variety in each of the three quarters.

All students are required to take Physical Education 1 sometime during their freshmen year.

Upper classmen who are not taking physical education for credit are urged to engage in some form of physical exercise. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

All students whether enrolled in regular classes in physical education or on regular athletic squads are invited and urged to use the physical training and athletic facilities of the institution whenever they are available.

Students interested in intercollegiate athletic competition in any form will be given opportunity to try out for the athletic teams representing the University and in case they display sufficient ability to be chosen as members of these teams, they may substitute this work for the required courses in physical education.

The department also offers professional courses which are designed to prepare teachers in physical education, directors of athletics, supervisors of dancing and leaders in play and other forms of social and recreational activities.

Students interested in play and recreation are referred to the following courses: Physical Education 7, 8, 17, 18, 19, 21, 22, 24, 25, 26, 31, 42, 54, 71, 72, 73, 74, 75, 76.

Students interested in health education work are referred to Physical Education 1 (Personal Hygiene); 91 (General Kinesiology); 95 (First Aid in Athletic Training); Zoology 58 (Health Education of Teachers); Zoology 65 (Human Physiology); Foods and Nutrition 5 (Elementary Nutrition); Foods and Nutrition 53, 54, 55 (Nutrition, Dietetics, and Nutrition in Disease).

Major and Minor Requirements in Physical Education

Both men and women students majoring or minoring in Physical Education are required to take the following foundational courses:

Chemistry 1 or 4, Zoology 11 and 65, Psychology 11 or 74, Botany (Bacteriology) 21, Sociology 11 or 61, Physics 11, Foods and Nutrition 5, Secondary Education 51, 52, 54.

In addition to the foregoing the following courses in the department of Physical Education are required:

In the Men's Department:

Major requirements:
Physical Education7, 8, 9
Physical Education 51, 52, 53
Physical Education 71 or 72 or 73
Physical Education 90, 91, 92
Physical Education 93, 95, 96.

Minor requirements:
Physical Education 7, 8, 9
Physical Education 51 or 52 or 53
Physical Education 71 or 72 or 73
Physical Education 90, 91, 92, 93.

In the Women's Department:

Major requirements:
Physical Education 7, 8, 9

Physical Education 26, 31
Physical Education 54 or 55 or 56
Physical Education 61, 62 or 63, 65
Physical Education 71 or 72 or 73
Physical Education 81 or 82 or 83
Physical Education 90, 91, 92
Physical Education 93, 95, 96.

Minor requirements:

Physical Education 7, 8, 9
Physical Education 26, 31
Physical Education 54 or 55
Physical Education 61, 73, 81
Physical Education 90, 91, 93

Lower Division Courses

1. **Personal Hygiene.** Autumn, Winter or Spring. M. W., 1:30. One hour credit. Cullimore, Oaks, Merrill.

This course is required of all freshmen students. The course is designed to present in a popular manner problems concerning personal hygiene and proper health habits.

4, 5, 6. **Elementary Physical Education.** Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Women's sections at 10:30, 2:30. Men's sections 9:30, 10:30, 3:30.

This course is designed for freshmen. It will include games, and a variety of athletic and gymnastic activities.

7, 8, 9. **Advanced Physical Education.** Autumn, Winter, Spring. One hour credit each term. For men and women. Men's section, M. W. F., 2:30—Hart. Women's section, T. Th., 4:30-6:00—Jeppson. Prerequisite: three hours credit in freshman Physical Education.

This course will embrace instruction in more advanced types of physical education activities including gymnastics, apparatus activity, tumbling, pyramids, stunts, and marching tactics.

14. **Archery.** Autumn. M. W. F., 9:30. 1 hour credit. For men and women.

Emphasis will be placed on the following: equipment, technique, and methods.

15. **Tumbling, Pyramid Building, and Stunts.** Winter. M. W. F., 9:30. One hour credit. For women. Jeppson.

Emphasis will be placed on the selection and care of equipment, technique of tumbling, balancing, pyramiding and demonstration programs.

16. **Track and Field for Women.** Spring. M. W. F. One hour credit, 9:30. Jeppson.

17. **Boxing.** Autumn, Winter, Spring. M. W. F., 9:30 and 1:30. One hour credit.

This course will consist of the theory and practice of boxing.

18. **Wrestling.** Winter. M. W. F., 4:30. One hour credit.

This course will consist of the theory and practice of wrestling.

19. **Tennis.** Spring. M. W. F., 9:30. One hour credit. Dixon.

This course will consist of the theory and practice of tennis.

21, 22. **Development Activities for Elementary Teachers.** Winter, Spring. T. Th., 3:30. One hour credit each quarter. Jeppson. Especially designed for those preparing to teach in the elementary grades.

Emphasis will be given to Danish gymnastics, games, folk dancing, and rhythmical expressions.

23. Basketball for Women. Winter. M. W. F., 1:30.

A general course in basketball for women. Jeppson.

24. Fencing. Spring. 4:30. Three periods each week. One hour credit. Open to both men and women.

25. Social Dancing. Winter. W., 6:30 to 9:00 p. m. One hour credit. Open to both men and women. Jeppson.

26, 27, 28. Elementary Clog and Tap Dancing. Autumn, Winter, Spring. T. Th., 9:30. One hour credit. Jeppson.

Suggested for women majoring or minoring in Physical Education.

31, 32, 33. Elementary Creative Dancing. Autumn, Winter, Spring. T. Th., 2:30. One hour credit each quarter. Coleman.

Suggested for women majoring or minoring in Physical Education. This course will offer instruction in the fundamentals of grace and rhythm.

41. Rhythms, Character and National Dancing. Autumn. T. Th., 3:30. One hour credit. Coleman.

Suggested for women majoring or minoring in Physical Education.

Fundamental rhythms, various character and national dances.

42. Folk Dancing and Country Dances. Winter. T. Th., 1:30. One hour credit. Jeppson, Coleman.

This course will offer instruction in the various folk dances and country dances: Virginia Reel, Boston Fancy, etc.

Upper Division Courses

51. Athletic Coaching and Directing—Football. Autumn. Four periods each week. 2:30. Three hours credit. Romney.

This course is designed to prepare students for the coaching of football. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc.

52. **Athletic Coaching and Directing — Basketball.** Winter. Four periods each week. 2:30. Three hours credit. Romney.

This course is designed to prepare for the coaching of basketball. Students will be thoroughly instructed in fundamentals, offensive and defensive systems, schedule making, and other details which contribute to the successful coaching of basketball.

53. **Athletic Coaching and Directing—Track and Field.** Spring. Four periods a week. 2:30. Three hours credit. Romney.

This course will deal with the technique of track and field athletics and with the management of meets.

54. **Athletic Coaching and Directing — Soccer, Field Hockey, and Archery.** Autumn. M. W. F. 4:30. Two hours credit. Jeppson. Two hours of Athletic Coaching and Directing.

This course is designed to prepare students for coaching. It will deal with fundamentals, methods of conducting tournaments, and officiating.

55. **Athletic Coaching and Directing—Basketball, Volley Ball, Field Ball, Speedball.** Winter. M. W. F. Two hours credit. Jeppson. Two hours of Athletic Coaching and Directing.

This course is designed to prepare students for coaching these activities. It will deal with fundamentals, methods of conducting tournaments, and officiating.

56. **Athletic Coaching and Directing—Track and Field, Baseball, Tennis.** Spring. M. W. F. Two hours credit. Jeppson. Two hours of Athletic Coaching and Directing.

This course is designed to prepare students for coaching these activities. It will deal with fundamentals, methods of conducting meets, games and tournaments, and officiating.

61, 62, 64. Advanced Creative Dancing. Autumn, Winter, Spring. T. Th. 8:30. One hour credit each quarter. Coleman.

This course will offer instruction in fundamental dance technique, music visualizing, and principles of composition.

63. Material Summary (Dancing). Winter. Th. 5:30. One hour credit. Jeppson and Coleman.

65. Problems of the Dance in Physical Education. Spring. T. Th. 5:30. Two hours credit. Coleman.

Public performance, including staging, lighting, costume design, etc.; appreciation of music in the dance; dance composition, themes, etc.; methods of teaching; history, etc.

71. Theory of Organized Play. Autumn. M. W. F., 8:30. Three hours credit. Jeppson.

The theory of organized play, including community centers, special activities, home recreation; play in institutions, social recreation such as planning recreation programs; play facilities such as layout of athletic fields, construction of buildings, swimming and wading pools, equipping the grounds and centers. Also a discussion of theories of individual and community life.

72. Organization and Administration of Play and Recreation. Winter. M. W. F., 8:30. Three hours credit. Jeppson.

A complete picture of the responsibilities of a superintendent of recreation and a discussion of the executive and administrative problems arising out of the conduct of a community-wide recreation program. Emphasis on park recreation problems, city government problems, problems of recreational finance, publicity problems, field and personnel problems, school recreation problems and surveys.

73. Play and Game Supervision. Spring. M. W. F., 8:30. Three hours credit. Jeppson.

A continuation of course 72.

74, 75, 76. Recreational Leadership. Autumn, Winter, Spring. T. Th., 11:30. Two hours credit. Jeppson. (See Religious Education 74, 75, 76.)

77, 78, 79. Scoutcraft. Autumn, Winter Spring. T. Th., 11:30. Two hours credit. (See Religious Education 77, 78, 79.)

81, 82, 83. Advanced Clog and Tap Dancing. Autumn, Winter, Spring. T. Th., 10:30. One hour credit each term. Jeppson.

81 and 82 will include a study of the various phases of tap dancing, fundamental steps, routines in order of difficulty, buck, jig, waltz, soft shoe, etc. 83 will emphasize creative work by students.

90. Principles of Physical Education. Winter. M. W. F., 8:30. Three hours credit. Hart. Prerequisites: Psychology 11 and Zoology 11 and 65.

This course deals with underlying principles of physical education. Much consideration is given to the four major levels of development in physical education.

91. General Kinesiology. Autumn. M. W. F., 8:30. Three hours credit. Dixon. Prerequisites: Physical Education 7, 8, 9, Zoology 11 and 65 Psychology 11.

This course will take up the anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Careful examination of gymnastics and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercise will also be made.

92. Methods of Teaching Physical Education. Winter. T. Th., 8:30. Two hours credit. Hart. Prerequisites: Physical Education 90 and 91. (See Secondary Teaching 66.)

This course will deal with a study of the various systems of physical education, methods of gymnastic teaching, content of exercise periods, arrangement of exercises, methods of commanding and directing, etc. This course will be helpful to all teachers in elementary and high schools.

93. Physical Education Administration. Spring. M. W. F., 1:30. Three hours credit. Jeppson.

This course will deal with the organization and administration of departments of physical education and athletics in high school and college and the proper balancing of various activities associated with these departments. This course is designed for physical directors, school principals, recreational directors, etc.

94. Introduction to Achievement Tests in Physical Education. Winter. M. W. F., 10:30. Three hours credit. Hart. Suggested for students majoring or minoring in physical education.

This course reviews a history of the development of physical tests and gives a brief review of the outstanding tests in physical education. The essential procedures to be used in evaluating tests and their results, including statistical analysis, are discussed.

95. First Aid in Athletic Training. Autumn. M. W. F., 10:30. Two hours credit. Hart. Prerequisites: Zoology 65 and Physical Education 91.

This course will consider the principles of first aid treatment of athletic injuries, massage, physiotherapy, bandaging and the essentials of conditioning athletes.

96. Adaptation of Activities in Corrective Procedure. Spring. M. W. F., 10:30. Three hours credit. Open to both men and women. Hart. Prerequisites: Psychology 11, Zoology 65, Physical Education 91.

This course deals with the variations of posture, the mechanics of balancing of the forces in the body, psychology of individual gymnastics, methods of stimulating interest in posture, and the selection and scope of corrective activities.

Graduate Courses

165. **Problems in the Dance in Physical Education.** Spring. T. Th., 5:30. Coleman.

171. **Theory of Organized Play.** Autumn. M. W. F., 8:30. Three hours credit. Jeppson.

172. **Organization and Administration of Play and Recreation.** Winter. M. W. F., 8:30. Three hours credit. Jeppson.

173. **Play and Game Supervision.** Spring. M. W. F., 8:30. Three hours credit. Jeppson.

190. **Principles of Physical Education.** Winter. M. W. F., 8:30. Three hours credit. Hart. Prerequisites: Psychology 11 and Zoology 11 and 65.

193. **Physical Education Administration.** Spring. M. W. F., 1:30. Three hours credit. Jeppson.

194. **Introduction to Achievement Tests in Physical Education.** Winter. M. W. F., 10:30. Three hours credit. Hart.

196. **Adaptation of Activities in Corrective Procedure.** Spring. M. W. F., 10:30. Three hours credit. Open to both men and women. Hart. Prerequisites: Psychology 11, Zoology 65, Physical Education 91.

PHILOSOPHY OF EDUCATION

Professors Woodward, Merrill, Swenson, Nelson;
Associate Professor Sudweeks.

This department is designed to prepare the student in the fundamentals of professional education with emphasis upon aims, objectives, the fundamental principles involved in the various levels and the relation the school bears to society.

Thirty hours are required for a major. The following sequence of courses is recommended:

1. In the junior year Philosophy of Education 74, 81, 84 and Psychology 74, or Philosophy of Education 72 or 92.
2. In the senior year Philosophy of Education 85, 86, 87, 88, 89, 90 and 94 or 96.
3. With the approval of the major professor certain courses from other departments in the College of Education may be substituted for certain courses in the above list.

Lower Division Course

35. Principles of Education. Autumn, Winter or Spring. M. T. W. Th. Four hours credit. Sudweeks. (See Elementary Education 1.)

Upper Division Courses

72. Community Organization and Leadership. (See Sociology 51.) Swenson.

74. Rural Sociology. (See Sociology 53.) Nelson.

81. Science of Education. Autumn, Winter, Spring. M. W. F., 8:30. Four hours credit. Woodward.

A consideration of the fundamental problems of educational theory and practice; the aims, standards and contents of education. A study of the principles of determining educational values. A summary of the psychological investigations that have been made relevant to the principal school subjects. An introduction to the scientific methods of measuring the results of teaching. This course should precede or be taken in connection with Secondary Training.

84. **Educational Sociology.** (See Sociology 61.) Swenson.

85. **Philosophy of Nature.** Winter. M. W. F., 9:30. Three hours credit. Woodward.

The course deals with a brief survey of the evolution of philosophical thought; the place of philosophy in the solution of problems of modern civilization. A survey will be made of various types of philosophy such as spiritualism, materialism, dualism, idealism, pragmatism, rationalism, realism, mysticism, etc. Considerable time is given to the problems of reality, theories of knowledge, self, and the status of values.

86. **Philosophic Ethics.** Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed, such as: Materialism versus purposive evolution, the nature of good and evil, the problems of the self, status of values, are we masters of our fates, Immortality, Democracy and the Moral Order. This course is designed to meet state requirements in ethics or sociology. (See Religious Education 81.)

87. **Ethics as Applied to Individual Development.** Winter. T. Th., 11:30. Two hours credit. Woodward.

The course aims to present a definite technique of character building. It is designed to give specific help to students and teachers interested in the development of the abundant life. It covers such problems as the nature of man, his opportunities for growth and development, the nature of the good life, man's struggle for happiness, the laws upon which happiness depends, and characteristics which make up a satisfactory character. It deals also with a technique designed to assist the student in the development of the power of self control and self mastery. It is designed to meet part of the state requirements in ethics and sociology. (See Religious Education 82.)

88. The Message of the World's Great Teachers. Spring. T. Th., 11:30. Two hours credit. Woodward.

This course deals with the message of life and self development as set forth by the world's outstanding teachers. The following systems of thought are included: The philosophy of Jesus, Buddhism, early Hinduism, Confucianism, Taoism, and Zoroasthianism. A careful study is made of these outstanding philosophies and religious systems with special reference to the theory and technique of character building leading to individual self realization. (See Religious Education 83.)

89. Social Ethics. Spring. T. Th., 10:30. Two hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems, the present conflict in moral and ethical ideals, the meaning of democracy, the ethics of modern business, the breakdown of Puritan ethics, Individualism, Christian ethics, the problems of capital and labor, international good will and world peace. (See Sociology 89.)

90. Education and Twentieth Century Civilization. Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course deals with the outstanding present day political, economic, social and educational conditions in fourteen of the most important countries of the Orient and Occident. The aim of this course is to present a vivid picture of the life, aspirations, and problems of the people of Japan, China, Philippine Islands, Java, Siam, Egypt, Greece, Italy, Austria, Germany, Russia, France, and England.

92. Vocational Education. Autumn. M. T. W. Th. Four hours credit. Merrill. (Not given this year.)

This course will deal with the aims and needs of vocational education; how this type of educational activity answers the demand of society; the place it should fill in the schools today; the types of vocational training that should be fostered under western conditions; the principles governing the determination of the curriculum; the aid extended by state and federal governments.

93. Philosophical Analysis (Logic). Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course deals with a study of the primary forms of thought, inductive and deductive processes, with the application of these various forms of thought to important philosophic and scientific theories and deductions. It covers a careful survey of the evolution and application of the scientific method.

94. Methods of Character Education. Winter. T. Th., 8:30. Two hours credit. Woodward. (Not given this year.)

This course considers education as training for social efficiency, and the school as one of several agencies for such training. It discusses the moral significance of the various studies and activities of the school, direct and indirect moral instruction and moral training.

96. History of Education. Winter. M. W. F., 10:30. Three hours credit. Woodward. (Not given this year.)

A discussion of the educational theories and practices of the Greek, Roman, and Medieval periods of history. Emphasis will be placed upon the following topics: The rise and growth of Christian education, the rise of universities, the Renaissance, the development of science and scientific methods, and the more recent and contemporary development of educational theory and practice. Knowledge of European history presupposed.

99. Philosophy Seminar. Winter and Spring. Two hours credit. Woodward.

This course is intended for advanced students only. It deals with such problems as Reality, The Self, Immortality, etc. Registration is possible only by consent of the instructor. Class meets once each week. Time is to be arranged.

Graduate Courses

137. American Philosophy of Education. Three hours credit. Time to be arranged. Woodward.

185. Philosophy of Nature. Winter. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 85.

186. Philosophic Ethics. Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 86.

187. Ethics as Applied to Individual Development. Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 87.

188. The Message of the World's Great Teachers. Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 88.

189. Social Ethics. Spring. T. Th., 10:30. Two hours credit. Woodward

This course parallels Philosophy of Education 89.

190. Education and Twentieth Century Civilization. Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 90.

192. Vocational Education. Autumn. Four hours credit. Merrill.

This course parallels Philosophy of Education 92.

193. Logic. Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 93.

194. Methods of Character Education. Winter. T. Th., 8:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 94.

196. History of Education. Time to be arranged. Three hours credit. Woodward.

This course parallels Philosophy of Education 96.

199. Philosophy Seminar. Winter and Spring. T. Th. Two hours credit. Woodward.

This course parallels Philosophy of Education 99.

200. Research in Philosophy of Education. From two to four hours credit. Time to be arranged. Woodward.

PHYSICS

Professors Eyring, Marshall; Associate Professor Hales;
Mr. Peterson.

Students who expect to study Medicine, Engineering, Chemistry, or who are planning to major in the Department of Physics should begin their study of Physics by electing courses 41, 42, and 43.

Non-science students may elect with profit courses 11, 16, 21, which may be taken without prerequisite and which are organized with the view of giving the student an appreciation of his physical environment.

Students majoring in Physics have the following courses prescribed: Physics 41, 42, 43, and some sequences such as Physics 58, 59, 60, 75, 81, 82, or Physics 65, 66, 67, 68, 69, 70, 81, 82, 84. Courses 88, 89, and 99 are especially recommended for students who plan to be high school teachers.

Lower Division Courses

11. A Survey Course in Physics. Winter. M. T. W. Th., 10:30. Four hours credit. Eyring.

A careful study of selected topics in elementary physics in which the development of the principles and their application to human welfare will be stressed. This is an orientation course designed for the non-science student who wishes to obtain some information in this field.

16. Descriptive Astronomy. Spring. M. T. W. Th., 10:30. Four hours credit. Hales.

This course deals with the physics of heavenly bodies. It is designed for those wishing a general knowledge of the facts, theories, and methods of astronomy. Frequent use will be made of the University Observatory on University Hill.

21. Meteorology. Autumn. M. T. W. Th., 10:30. Four hours credit. Hales.

This course deals with the physics of the earth's atmosphere. It includes a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate. This course should be particularly valuable to one interested in aeronautics, weather bureau work, or teaching.

26. **Photography.** Spring. Lecture, T., 7:30. Laboratory time to be arranged. Three hours credit. Hales.

This course includes lectures on the theory and art of photography, and laboratory exercises in photographic manipulation, determination of the characteristics of photographic materials, color sensitivity, use of color filters, making of lantern slides, etc.

41. **General Physics. Mechanics and Sound.** Autumn. Lecture, M. W. F., 1:30. Laboratory, T. and Th., 1:30-3:30. Five hours credit. Hales.

This course and courses 42 and 43 constitute a general college course in physics. The completion of this general course will satisfy the requirements in physics for engineering and medical students, and it is a prerequisite for all the specialized courses in physics. Freshman or sophomore year.

42. **Electricity.** Winter. Lecture, M. W. F., 1:30. Laboratory, T. and Th., 1:30 to 3:30. Five hours credit. Hales.

Continuation of 41.

43. **Heat and Light.** Spring. Lecture, M. W. F., 1:30. Laboratory, 1:30 to 3:30. Five hours credit.

Continuation of 42.

Upper Division Courses

58. **Kinetic Theory.** Autumn. Three hours credit. Hales. (Not given this year.)

This course includes a historical development of the subject, kinetic interpretation of temperature and pressure, Brownian movements; osmotic pressure, specific heats, etc.

59. Thermodynamics. Winter. Three hours credit. Hales. (Not given this year.)

A study of the two laws of thermodynamics and their application to numerous physical and chemical phenomena.

60. Election Theory. Spring. Three hours credit. Hales. (Not given this year.)

A study of the properties and physical magnitude of the electron and the part it plays in thermo-electric, photo-electric, and X-ray phenomena.

65, 66. Electricity and Magnetism. Autumn, Winter. M. W., 3:30. Two hours credit each quarter. Marshall. (Not given this year.)

General principles of magnetism, and electro-magnetism. Static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites: Calculus and Physics 41, 42, 43.

67, 68. Experimental Physics, Electricity and Magnetism. Autumn, Winter. Two hours credit each quarter. Marshall. (Not given this year.)

Use of potentimeters, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field, etc. These courses should be taken in connection with courses 65 and 66. Prerequisites: Physics 41, 42, 43.

69. Radio Instruments and Measurements. Spring. T. Th., 8:30. Two hours credit. Marshall. (Not given this year.)

A study of the properties of oscillatory circuits, and the thermionic vacuum tube as a detector, amplifier, and oscillation generator. Prerequisites: Physics 66 and 68.

70. Experimental Physics, Radio Instruments and Measurements. Spring. Two hours credit. Marshall. (Not given this year.)

Laboratory work designed to accompany Physics

69. Two two-hours laboratory periods per week. Time to be arranged.

75. **Experimental Optics.** Spring. Lecture M. W. F., 9:30. Laboratory: Time to be arranged. Five hours credit. Marshall.

During the first part of the course experiments outlined in Taylor's Manual of Optics will be performed, and during the last special work in the echelon and concave grating will be given.

81. **Theoretical Mechanics.** Autumn. Daily, 10:30. Five hours credit. Eyring.

Fundamental principles of mechanics and their application to physical problems. Prerequisites: Calculus and Physics 41, 32, 43.

82. **Dynamics.** Winter. Daily, 8:30. Five hours credit. Eyring.

The application of d'Alembert's principle, generalized coordinates, the Lagrangian and canonical equations, Hamilton's principle, and the Hamilton-Jacobi differential equation to the solution of dynamical problems. Prerequisites: Physics 81 and Differential Equations.

84. **Sound.** Spring. Daily, 10:30. Five hours credit. Eyring.

Advanced course in sound. Such topics as vibrating systems, resonators and acoustic filters, sound transmission and radiation, and acoustics of auditoriums will be discussed.

87. **Laboratory Arts.** Autumn, Winter or Spring. T. Th., 3:30-6:30. Two hours credit. Marshall and Hales. (Not given this year.)

Glass blowing, frilling, grinding and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in physical laboratory.

88, 89. **Development of Physics.** Autumn, Winter. T. Th., 10:30. Two hours credit each quarter. Eyring. (Not given this year.)

90. Survey of Physical Theories. Spring. T. Th., 10:30. Two hours credit. Eyring.

A survey course for all seniors in the department in which an attempt will be made to aid the student to integrate the specialized courses he may have taken in the department.

92. Readings in Modern Physics. Credit 1 to 3 hours, depending on the work done. Eyring, Marshall, or Hales.

A reading course designed to acquaint the student with new material which may not have been included in the regular courses.

99. Teaching of Physics. Autumn. M. W., 3:30. Two hours credit. Peterson.

Graduate Courses

101. Introduction to Modern Physics. Autumn. M. W. F. Three hours credit. Eyring or Marshall. (Not given this year.)

Brief historical survey of Physics, aiming to introduce some of the important modern theories of physics. Also consideration of the Electromagnetic Theory of Light and Photo 1lectric Effect.

102. Introduction to Modern Physics. Winter. M. W. F. Three hours credit. Eyring or Marshall. (Not given this year.)

Continuation of 101. Study of origin of quantum Theory and some of its modern applications.

103. Introduction to Modern Physics. Spring. M. W. F. Three hours credit. Eyring or Marshall. (Not given this year.)

Continuation of 102. Brief study of X-ray, radioactivity, atomic structure.

105, 106, 107. Introduction to Theoretical Physics. Autumn, Winter, Spring. 8:30. Five hours credit each quarter. Hales.

An introductory study of the mathematical basis and development of the fundamental laws and theories of physics.

110, 111, 112. Classical Experiments. Each course two hours credit. Eyring, Marshall, Hales.

182. Dynamics. Winter. Daily, 8:30. Five hours credit. Eyring.

184. Sound. Spring. Daily, 10:30. Five hours credit. Eyring.

192. Readings in Modern Physics. Credit, one to three hours, depending upon amount of work done. Eyring, Marshall and Hales.

200. Thesis in Physics. Credit to be arranged.

POLITICAL SCIENCE

Professor Jensen; Mr. Ballif.

Requirements for a major in Political Science: Students must present a minimum of fifteen hours of upper division credit in Political Science. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

10. National Government of the United States. Autumn. M. W. F., 10:30. Three hours credit. Jensen.

An examination of the historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizens; a detailed study of the executive, legislative, and judicial departments of the national government. This course should be elected in the freshman year by all who intend to major in Political Science, to be followed in the Winter quarter by Political Science 11.

11. State and Local Government in the United States. Winter. M. W. F., 10:30. Three hours credit. Jensen.

The nature of federal government; the evolution of states from territories; place of the states in the nation; a study of the executive, legislative, and judicial branches of state government.

12. Political Parties and Party Government. Spring. M. W. F., 10:30. Three hours credit. Jensen.

A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; the party system in leading European countries.

21. Problems of Citizenship. Winter. T. Th., 8:30. Two hours credit. Jensen.

A study of fundamental political, social, economic, and international problems which make for intelligent citizenship.

43. Commercial Law. Autumn. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 21.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

44. Commercial Law. Winter. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 22.)

A study of law governing Negotiable Instruments emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barters, and bailments. References will be made to the leading cases decided by the courts.

45. Commercial Law. Spring. M. T. W. Th., 8:30. Four hours credit. Ballif. (See Finance and Banking 23.)

A study of the law governing relationships arising out of business associations; Agency, Partnerships and Corporations will be studied by an examination of the leading cases decided by the courts.

Upper Divsion Courses

50. Principles of Political Science. Spring. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

This course aims to present a systematic study of the principles of political science. It deals with the scope and methods of political theory; the origin, basis and nature of the state; sovereignty; the structure and province of government; citizenship and nationality. This course should be taken by all who major in Political Science.

51. **European Political Philosophy.** Spring. T. Th., 8:30. Two hours credit. Jensen.

A survey of political thought from the time of the ancients to the present with emphasis given to modern and contemporary political theory.

53. **History of American Political Thought.** Autumn. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

A study and interpretation of American political ideas from the colonial period to the present with an examinaton of their influence in the development of American history and government.

63. **Municipal Government.** Spring. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal structure, organization, and administration. Among the subjects treated in their relation to municipal government are: the history of municipal growth, public improvements, finances, home rule, legal status, politics, and municipal ownership.

73. **Comparative Constitutional Government.** Autumn. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of the organization and operation of the governments of England, France, Italy, Germany, Switzerland, and Russia. Attention is also given to some of the new European governments.

80. **International Law.** Winter. M. W. F., 9:30. Three hours credit. Jensen.

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Attention is given to the problems growing out of the World War and to the resulting modifications of international law.

82. History of American Foreign Policy. Spring. M. W. F., 9:30. Three hours credit. Jensen.

This course traces the history of American foreign relations from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

83. International Relations. Winter. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

Problems of nationalism and internationalism, Latin-American relations, evolution of the Monroe Doctrine, problems of imperialism, settlement of international disputes, the Hague Tribunal, the League of Nations, Permanent Court of International Justice, etc.

85. International Organization and Government. Winter. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

The rise and development of international government; diplomatic intercourse of states; international executive administrative, legislative and judicial functions; agencies of international intercourse and co-operation.

90. The Constitution of the United States. Winter. T. Th., 8:30. Two hours credit. Jensen. (Not given this year.)

This course deals with the history and development of the Constitution of the United States. A study is made of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

91. Constitutional Law. Autumn. Daily, 9:30. **Five** hours credit. Jensen.

Jurisdiction of federal courts, citizenship, naturalization, suffrage, personal liberty, protection to persons accused of crime, due process and equal protection of the laws, police power, eminent domain, taxation, regulation of commerce, impairment of obligation of contracts, etc. A standard book of cases will be used.

Graduate Courses

150. Principles and Problems of Political Science.

151. European Political Philosophy.

153. American Political Theories.

163. Municipal Problems.

174. English Government and Politics.

175. The British Commonwealth of Nations.

180. International Law as Administered by the Courts.

181. The Conduct of American Foreign Relations.

182. History and Problems of American Foreign Policy.

183. International Relations and World Politics.

191. Constitutional Law of the United States.

193. Public Adminstration. (Not given this year.)

200. Research for Master's Thesis.

PSYCHOLOGY

Professor Poulson; Assistant Professor Dusenberry.

Suggestions as to Courses. Psychology 11 is the standard foundation course which is usually made a prerequisite to all other courses in university departments of Psychology. The courses especially recommended to follow it are:

General Cultural Interests: Psychology 65, 70, 71, 72, 79, 101, 102, and 103.

Home-making Interests: Psychology 70, 71, 72, and 79.

Business Interests: Psychology 64, 65, 66, 70, 75.

Educational Interests: Psychology 65, 70, 71, 72, 74, 75, 79, and 200. For fulfilling State Board requirements, Psychology 21 is intended for prospective elementary school teachers and Psychology 74 for junior and senior high school teachers. Other courses in this department may be used as electives for state certification.

Psychology Major: Credit must include Experimental Psychology and not less than nine quarter hours selected from Psychology 70, 75, 79, 101, 102, 103, and seminar courses in Psychology. Prospective "school psychologists" should aim to meet the major requirements as nearly as possible.

Lower Division Courses

11. General Psychology. Autumn. Daily, 8:30. Winter. Daily, 9:30. Spring. Daily, 10:30. Five hours credit. Poulson.

An introductory study of mental activity covering in a general way the whole field of modern psychology. Certain problems of mental hygiene and the psychology of effective study will receive brief consideration. Approximately one-fifth of the course will consist of simple laboratory experiments.

21. Educational Psychology. Autumn, Winter or Spring. Section 1, M. W. F., 9:30; Section 2, M. W. F., 10:30. Three hours credit each quarter. Dusenberry.

This course is designed to present the facts as far as they have been scientifically determined of individual differences. Native endowment, habit formation, economy, and technique of learning. The thought process, personality problems. Applications are made to problems of teaching and learning.

25. **Psychology of Effective Study.** Autumn. T., 9:30. Winter. T., 8:30. Spring. T., 9:30. One hour credit. Poulson.

A simple course in applied psychology designed especially to help freshmen who desire to improve their habits of study.

Upper Division Courses

64. **Business Psychology.** Autumn. M. W. F., 9:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of modern advertising and salesmanship. Prerequisite: Psychology 11 or its equivalent.

65. **Experimental Psychology.** Winter. Lecture, Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

Carefully selected readings and laboratory work in experimental psychology. The application of scientific technique to the study of mental activity. Good form in the tabular and graphic presentation of experimental data. Preliminary training for independent research. Prerequisite: The consent of the instructor.

66. **Vocational Psychology.** Spring. M. W. F., 8:30. Three hours credit. Poulson.

A brief consideration of the contributions of modern psychology in relation to vocational selection and vocational guidance. Emotional maladjustments in relation to vocational problems. Efficiency studies and recent efforts to establish worthwhile personnel work.

70. Social Psychology. Autumn. M. W. F., 10:30. Three hours credit. Poulson.

A study of mental life as conditioned by the social environment. Nature and development of personality. Development and psychological significance of social institutions. Important educational implications of social psychology. Prerequisite: Psychology 11 or its equivalent.

71. Mental Hygiene and the Psychology of Childhood. Autumn. T. Th., 11:30. Two hours credit. Poulson.

A course dealing with certain important, specialized phases of educational psychology. An attempt will be made to present in systematic form the latest findings in child psychology and to suggest applications of the same in the home, the school and the church. Problems in relation to the development of integrated personalities will be emphasized. Prerequisite: Psychology 11 or 21. (See Religious Education 71.)

72. Psychology of Adolescence. Winter. T. Th., 11:30. Two hours credit. Poulson.

Continuation of Psychology 71 with special reference to the educational problems of adolescence as the psychologist sees them. Certain phases of psychology of religion which pertain especially to this period will receive consideration. Prerequiste: Psychology 11 or 21. (See Religious Education 72.)

73. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson.

An advanced consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70, 71 or 72. (See Religious Education 73.)

74. Advanced Educational Psychology. Winter. M. W. Th. F., 8:30. Spring. M. W. Th. F., 9:30. Four hours credit. Poulson.

A brief consideration of certain important phases of the psychology of secondary education such as the laws of economical learning, how we think, and individual differences. About one-fourth of the courses will consist of a consideration of the psychology of the various school subjects. Psychology 11 is recommended as a valuable antecedent course.

75. **Mental Tests.** Autumn. M. W. F., 2:30. Three hours credit. Poulson. (Alternates yearly with Psychology 101.)

History, theory, and technique of intelligence testing. Various types of tests and the manner of determining their validity. Scientific interpretation and application of test results. Additional supervised training in the giving of various types of psychological tests may be had by pursuing this interest as a seminar problem. Prerequisite: Psychology 11 or 21.

79. **Abnormal Psychology.** Winter. M. W. F., 10:30. Three hours credit. Poulson. (Alternates yearly with Psychology 102.)

A consideration of the psychology of abnormal people with emphasis upon the light thrown on normal psychology and important educational applications. Prerequisite: Psychology 11.

Graduate Courses

101, 102. **Advanced General Psychology.** Autumn and Winter. M. W. F., 2:30. Three hours credit each quarter. Poulson. (Alternates yearly with Psychology 75 and 79; not given this year.)

A careful reconsideration of the general field of modern scientific psychology, also a comparative study of such contemporary systems as introspective psychology, behaviorism, Gestalt psychology, etc. An attempt will be made to determine the advantages and disadvantages of each method and point of view. Prerequisite: At least ten hours of credit in psychology.

103. Special Topics in Psychology. Spring. M. W. F., 2:30. Three hours credit. Poulson.

This course provides for the individual or group study by advanced students of certain important topics in psychology which are not specifically organized into courses. For this year the topic chosen will probably be either History of Psychology or the Psychology of Speech, depending upon the choice of the students who are prepared to undertake one study or the other. These topics may be pursued as seminar problems if more convenient. Prerequisite: At least ten hours of credit in psychology.

165. Advanced Experimental Psychology. Winter. Lecture. Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

166. Vocational Psychology. Spring. M. W. F., 8:30. Three hours credit. Poulson.

170. Social Psychology. Autumn. M. W. F., 10:30. Three hours credit. Poulson.

173. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson.

175. Mental Tests. Autumn. M. W. F., 2:30. Three hours credit. Poulson.

179. Abnormal Psychology. Winter. M. W. F., 10:30. Three hours credit. Poulson.

187, 188, 189. Seminar in Psychology. Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Poulson.

Recent and current literature in theoretical and experimental psychology will be reviewed. Prerequisite: At least ten hours of credit in psychology.

200. Thesis in Psychology. Winter. Conference, T., 2:30. Three to five hours credit. Poulson.

Research work in the preparttion of an acceptable Master's thesis. Prerequisites: At least ten hours of upper division and graduate credit in psychology including Psychology 65 or 165. Also a course in statistical methods.

RELIGIOUS EDUCATION

Professors Wilson, J. C. Swenson, A. N. Merrill, Eyring, Martin, Woodward, Snow, Poulson, Nelson, Hansen, Osmond, Miller, Madsen, Pardoe, Reynolds, Larsen; Associate Professors Sudweeks, Hales, Sperry; Assistant Professors W. H. Boyle, Dusenberry, Hart, Morley, Jeppson, Ivins, R. Swenson; Mr. Dixon.

Students who wish to specialize for work with pre-adolescent children in the various auxiliary organizations of the Church will be permitted to supplement the regular courses of the department for a major in Religious Education from the following: Elementary Education 1, 16, 20, and 60; Psychology 70 and 71. Courses especially recommended for these students are Religious Education 16, 17, and 18, Elementary Education 1 and Psychology 79.

Students wishing to specialize for work with adolescents and adults in church service may include in their Religious Education major courses selected from the following: Educational Administration 75, Philosophy of Education 88, 89, Psychology 79, 72. Secondary Education 54, and Sociology 65. Courses especially recommended for these students are Religiods Education 74, 75, 76, 77, 78, 79, 81, 82, 83, 86, 92, and 93, Psychology 73, and Secondary Education 54.

Lower Division Courses

1. Problems of Religious and Ethical Life. Autumn. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, Miller, Boyle.

The student just entering college is aided in the solution of problems incident to his new environment. The course treats the general significance and meaning of religion and morals, their origin and their interrelation in the formation of standards of conduct. It also deals with the concepts of right, duty, conscience, and character. The approach is made through a study of a series of practical problems, dealt with from the Latter-day Saint point of view.

2. **Problems of Religious and Ethical Life.** Winter. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, Miller, Boyle.

   A treatment of the practical aspects of religion and morality, with attention to the cultivation of those personal virtues that are the foundation of character. The influence of religious ideals in the development of personal codes and standards; the application of formulated codes and standards to the solution of personal and social problems.

3. **Problems of Religious and Ethical Life.** Spring. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, Miller, Boyle.

   The individual's ethical relation to others as applied to his activities in cooperation with others. His responsibility in the promotion of ideals and standards through his functions in church and organizations for social welfare. The ethics of citizenship.

4. **Literature of the Bible.** Autumn. T. Th., 9:30. Two hours credit. Sperry.

   A study of the prose forms of the Old Testament from a literary, ethical, historical, and religious point of view. Freshmen will be admitted only with the consent of the instructors.

5. **Literature of the Bible.** Winter. T. Th., 9:30. Two hours credit. Sperry.

   A study of the poetry and wisdom literature of the Old Testament including Job and Isaiah. Freshmen students will be admitted only by consent of the instructors.

6. **Literature of the Bible. Spring.** T. Th., 9:30. Two hours credit. Sperry.

   A study of the literary forms of the New Testament. Parts of all the books will be considered. Freshmen students will be admitted only by the consent of the instructors.

10, 11, 12. Principles of Religious Conduct. Autumn. T. Th., 11:30. Two hours credit each quarter. A. N. Merrill, Hales, Larsen.

This course deals with the fundamental theological and ethical principles governing Christian conduct. The contribution of the church to right living of the individual and the groups. The value and significance of religious experience. The opportunities offered by the church for promoting religious experiences. The fundamental doctrines, ordinances and principles of the church and the relation of these to Christian conduct.

14. Genealogy. Spring. T. Th., 11:30. Two hours credit. Sudweeks.

This course deals with such subjects as the place of genealogy in the plan of salvation, our responsibility to our dead ancestors, genealogical research, the pedigree, the family record, temple sheets, and temple ordinances.

19, 20, 21. Doctrine and Missionary Method. Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Ivins.

A course designed especially for prospective missionaries. A review of the history of religious propaganda, a detailed study of methods employed in preaching the doctrines of the Church.

22, 23, 24. Hymnology and Music Directorship. Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Madsen.

Study of the historical, doctrinal, prophetic, poetic, and esthetical content of songs and hymns of the Latter-day Saints. They are classified according to their dominant features poetically and musically and are emphasized according to their value to humanity. Special training in the essentials of church music leadership and rudimentary conducting.

25. **Christianity and Christian Religion.** Autumn. T. Th., 11:30. Two hours credit.

In this course consideration will be given to Judaism as a forerunner and herald of Christianity. Israelitish faith and prophecy will receive attention, and the culmination of progressive, spiritual Judaism in Christianity will be stressed.

26. **Christianity and Christian Religions.** Winter. T. Th., 11:30. Two hours credit. R. Swenson.

A study of important Christian religions of the present day: Catholicism; some of the important denominations of Protestantism; Christian Science; and the Salvation Army movement. The origin and history of each will be considered at sufficient length to give a background for a careful analysis of the principles of the modern Christian churches.

27. **Christianity and Christian Religions.** Spring. T. Th., 11:30. Two hours credit. R. Swenson.

A study of present tendencies among Christian churches. Fundamentalism and Modernism as cross sections of various denominations will be analyzed. The relationship of modern science to Christianity will receive serious thought.

Upper Division Courses

51. **Manners and Customs of the Hebrews.** Autumn. T. Th., 11:30. Two hours credit. Sperry.

A study of the traditions, customs and modes of thought of the ancient Hebrews. The literature of the Bible cannot be fully understood or appreciated without a knowledge of the customs of the people that produced it.

52. **Hebrew Archaeology.** Winter. T. Th., 11:30. Two hours credit. Sperry.

A study of the results of exploration and excavations in Bible lands with special reference to the Hebrew people.

53. Old Testament Problems. Spring. T. Th., 11:30. Two hours credit. Sperry.

This course will deal with special problems of the Old Testament such as the criticism of the Pentateuch, the criticism of the Book of Isaiah, etc.

The three courses following aim at a constructive and interpretative study of the New Testament. The courses will be based primarily on the text, although outside authorities will be used. The courses will include a study of the social, political, and religious conditions in and about Palestine during New Testament times.

54, 55. Life and Teachings of Christ. Autumn. T. Th., 11:30. Two hours credit each quarter. J. C. Swenson, Martin.

A study of the life and teachings of Jesus as revealed in the New Testament.

56. Life and Teachings of Paul and Other Apostles. Spring. T. Th., 11:30. Two hours credit. J. C. Swenson, Martin.

The course, in addition to a study of the journeys and missions of Paul, will include a study of some of the Epistles.

57. Philosophy and Life. Autumn. T. Th., 11:30. Two hours credit. Osmond.

A discussion of the fundamental principles of philosophy, science, and religion and their interrelations. A brief historic sketch of Greek philosophy is given as an introduction to a more careful study of Realism, Mysticism, Rationalism, and Idealism.

58. Philosophy and Life. Winter. T. Th. Two hours credit. Osmond.

A comparative study of natural and revealed religion. The seven fundamental natures of man, the negative and positive conditions of happiness, pleasure, joy, and tragedy of life, are the principal subjects discussed in this course.

59. Philosophy and Life. Spring. T. Th., 11:30. Two hours credit. Osmond.

This course is devoted to a study of the elements and agencies of redemption, the spiritual life, good and evil, the truth, the fine art of living, and the philosophy of conflict.

60. Christianity In Its Jewish Environment. Autumn. T. Th., 8:30. Two hours credit.

Egyptian and Syrian Hellenism. Judaism in Palestine and the Diaspora. Political and social developments under the Hasmoneans, the Herods, and the Romans. The beginning of Christianity in Palestine. John the Baptist and Jesus. The Jerusalem community and Paul. The transition to the Gentile environment. Jewish survivals in second-century Christianity.

61. The Literature of the New Testament. Winter. T. Th., 8:30. Two hours credit. R. Swenson.

The several books of the New Testament in relation to the life of the early church; situations which called them forth; and the development of Christian thought embodied in them.

62. The Rise of Christianity. Spring. T. Th., 8:30. Two hours credit. R. Swenson.

The beginnings of the Christian movement in Palestine; the course of Christianity's development in relation to its Graeco-Roman social environment from the earliest contact with Gentiles, through the period of struggle with rivals, and on to the recognition of Christianity as the only legal religion of the Roman Empire; the influence on the church of the barbarian invasions.

63, 64, 65. History of the Christian Church. Winter, Spring. T. Th., 9:30. Two hours credit each quarter. R. Swenson.

Christianity a product of Mediterranean civilization created anew by the Messiah. A brief study of the oriental and classic culture and philosophy out of which emerged the Christian Church under the Teachings of Christ, Paul, the Church Fathers and the Clergy both lay and clerical. The development of the Papacy; the conflict between orthodoxy and heresy; the rivalry of Empire and Papacy; the Conciliar movement; the Renaissance and Reformation and the diversity of religious beliefs and practices under the new spirit of tolerance and liberty.

66, 67, 68. Bible History. Autumn, Winter, Spring. T. Th., 2:30. Two hours credit each quarter. Sperry.

Growth of the Bible. Growth of traditions and story cycles and their historical values. Historical survey of Israel and a study of their social, ethical and religious ideas and ideals. Application of their problems to modern world conditions. Brief historical background, interpretation and literary merits of the books of the Old Testament.

69. History of Religion in the United States. Autumn or Winter. T. Th., 9:30. Two hours credit. Christen Jensen.

The heritage from the Old World; religious development in the colonies; tendencies toward liberalism; relationship of church and state; the religion of the frontier; Christianity and the Indians; the churches and slavery; evangelism in religion; humanitarian aspects of religion in the United States; tendencies toward emancipation from formal worship and orthodoxy; religious educational institutions and societies; rise of new sects; the problem of socializing, rationalizing, and spiritualizing religion; organization and structure of the churches in the United States; auxiliary church organizations; missionary activities; tendencies toward unity.

71. Mental Hygiene and the Psychology of Childhood. Autumn. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 71.)

72. **Psychology of Adolescence.** Winter. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 72.)

73. **Psychology of Religion.** Spring. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 73.)

74. **Social and Recreational Leadership.** Autumn. T. Th., 11:30. Two hours credit. Jeppson.

This course is given to meet the needs of the community, church and school recreational leaders. Emphasis will be given to problems in socal dancing, dance contests, dance creations, dance mixers, rhythmical games, stunt songs, community singing, old time dances, icebreakers, marching variations. Special attention will be given to methods and procedures.

75. **Social Recreational Leadership.** Winter. T. Th., 11:30. Two hours credit. Jeppson. The organizing and administrating of special balanced programs in the various phases of recreation, including theme parties and home recreation. Students will have opportunity for individual and group leadership in the various Wards of Provo, neighborhood communities, Leadership Week, and other recreational activities on the campus.

76. **Social Recreational Leadership.** Spring. T. Th., 11:30. Two hours credit. Jeppson.

Discussion of and practice in the phases of a recreational field will be studied and workable plans compiled. Students will have opportunity for group leadership within the class.

77. **Scout Leadership.** Autumn. T. Th., 11:30. Two hours credit.

A course designed especially for scoutmasters and prospectve scout leaders. The first part of the course will consist of a series of short hikes on which the following topics will be studied: How to walk, packs for pedestrians, campmaking, fire-building, camp cookery, knots, hitches and lashings. The second part of the course will consist of a study of first aid, bandaging, personal and public health.

78. **Scout Leadership.** Winter. T. Th., 11:30. Two hours credit.

The topics to be studied are: Organization of a Scout troop and its relationship to the Local Council and the National Council, Boy Scouts of America; the methods of troop management and the use of the patrol system; the psychology of the Boy Scout; scout stories and games.

79. **Scout Leadership.** Spring. T. Th., 11:30. Two hours credit.

Signs, symbols, and signaling; pathfinding and mapmaking; trees, flowers, birds, common wild animals, and stars are the subjects to be studied in the classroom and while on short hikes.

81. **Philosophic Ethics.** Autumn. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 86.)

82. **Ethics as Applied to Individual Development.** Winter. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 87.)

83. **The Message of the World's Great Teachers.** Spring. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 88.)

84. **Religion and Life.** Autumn. T. Th., 11:30. Two hours credit. (Not given this year.)

This course offers students an opportunity to make an analysis of the basic concepts set forth in the Doctrine and Covenants together with a consideration of how these concepts may assist in building a happy life. The course is conducted on a seminar basis.

85. **Religion and Life.** Winter. T. Th., 11:30. Two hours credit. (Not given this year.)

This course offers students an opportunity to make a study of the historical and social backgrounds into which various sections of the Doctrine and Covenants came. It considers the needs which the various revelations contained in this book met as they were given. The course is conducted on a seminar basis.

86. **Administration of Private and Parochial Schools and Seminaries.** T. Th., 11:30. Two hours credit. (Not given this year.)

This course offers students an opportunity to study the place of the private and the denominational school in America and the relationships which exist between private and state schools. Students majoring in Educational Administration may obtain major credit for this course.

87, 88, 89. **Rationality of Religion.** Autumn. T. Th., 11:30. Two hours credit each quarter. Wilson.

Religion as life in its relationship to philosophy; the concept of truth, how arrived at; the concept of God, His relations to man, and His plan for man's redemption. Jesus Christ and His relation to the plan; His divinity, and the atonement brought about by Him. Joseph Smith, his mission and work. The Church as a social organization, its functions, methods and problems. The relation of psychology to personal religious development. The relation of religion to natural sciences, the concept of evolution and its relation to religion, the nature of progress, and the relation of all life's interests to the gospel of Jesus Christ.

90. **Personality Problems in Child Development.** Autumn. T. Th., 11:30. Two hours credit. Dusenberry.

This course deals with the emotional, social and moral phases of child development. The hereditary and environmental influences affecting the character and religious development of the child. A consideration of experimental work and habit formation.

91. **Personality Problems in Child Development.** Winter. T. Th., 11:30. Two hours credit. Dusenberry.

The diagnosis of behavior difficulties and the remedial technique employed in handling various types of problems. Emphasis on character and religion.

92. Personality Problems in Child Development. Spring. T. Th., 11:30. Two hours credit. Dusenberry.

Contributions of mental hygiene to character and religious education. (See Elementary Education 90, 91, 92.)

94. Man and His Relationship to the Universe. Autumn. T. Th., 11:30. Two hours credit. Hansen.

Anthropology. A series of lectures covering the speculations as to the origin of man in the Old and New World, and prehistoric man's contribution to the historic world of religion.

95. Man and His Relationship to the Universe. Winter. T. Th., 11:30. Two hours credit. Snow.

Primitive and Great Religions of the World. A general perspective of the important religions of the world. Among the religions considered are: Religions of primitive people of Babylonia and Assyria, Egypt, Judaism, Mohammedanism, Zoroastrianism, the religions of China, Japan, Greece, Rome, and of the Celts and Teutons. Some attention is also given to a study of early Christianity.

96. Man and His Relationship to the Universe. Spring. T. Th., 11:30. Two hours credit. Eyring.

History of science and its relation to religion and to philosophy. A study will be made of the religious and philosophic overbeliefs which have emerged from science as it has been in the making, special emphasis being given to the development of the materialistic conception of the universe during the last century and of the modern tendency toward a more spiritual interpretation. It will be pointed out that to see life as an integrated whole one needs not only science, but art, philosophy, and religion.

Graduate Courses

105. Research in Religious Education. Autumn, Winter, or Spring. Two hours credit. (Not given this year.)

A course in technique of research as applied to problems in religious education and which will provide an opportunity for students to apply acceptable methods of investigation to problems in this field. Credit is based upon presentation of an acceptable paper embodying the results of independent work upon an approved problem.

121, 122, 123, **Seminar.** Autumn, Winter, Spring. W., 4:30. One hour credit. Wilson.

151. **Manners and Customs of the Hebrews.** Autumn. T. Th., 11:30. Two hours credit. Sperry.

152. **Hebrew Archaeology.** Winter. T. Th., 11:30. Two hours credit. Sperry.

153. **Old Testament Problems.** Spring. T. Th., 11:30. Two hours credit. Sperry.

161. **Primitive and Great Religions of the World.** An intensive study of some one of these will be required. Prerequisite: Religious Education 95. (Not given this year.)

162. **The Religious Rivals of Early Christianity.** This course will involve a survey of the religions most prominent in the Roman World at the birth of Christ. Particular attention will be given Mithraism and its relation to Christianity. (Not given this year.)

163. **Early Christianity and its Different Appeals to Jew and Gentile.** Special problems of research; e. g., Nestorianism, Montamism, Gnosticism, and the Atonement. Various explanations of the Atonement may furnish a basis for careful study.

164. **Early Church Movements and the Development of a Catholic Church Organization.**

165. **Christianity and the Rationalism of the Eighteenth Century and the Speculative Theories Since.** Intensive study of some of the modern problems will be required.

173. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson.

181. Philosophic Ethics. Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 81.

182. Ethics as Applied to Individual Development. Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 82.

183. The Message of the World's Great Teachers. Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 83.

184. Religion and Life. Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 84 and permits graduate students to do intensive work in the field.

185. Religion and Life. Winter. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 85 and permits graduate students to do intensive work in the field.

186. Administration of Private and Parochial Schools and Seminaries. Spring. T. Th., 11:30. Two hours credit.

This course parallels Religious Education 86 and permits graduate students to do intensive work in this field. Students majoring in Educational Administration may obtain credit for this course.

187, 188, 189. Rationality of Religion. Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Wilson.

These courses are extensions of courses 87, 88, and 89.

193. Methods in Religious Education. Autumn or Spring. T. Th. Two hours credit. A. N. Merrill.

This course is designed for those who are expecting to qualify for efficient service in directing teacher training, in supervising instruction, and teaching adolescent and adult students. It will deal with the best devices employed in directing and supervising theological instruction, and also with the most efficient methods of teaching for the attainment of definite purpose in the field of theology.

195. **Anthropology.** Winter. T. Th., 11:30. Two hours credit. Hansen. (See Sociology 95.)

A continuation of course 94 with special reference to the American Indians.

196. **Anthropology Research.** Spring. Time and credit to be arranged. Hansen. (See Sociology 96.)

SECONDARY EDUCATION

Professors A. N. Merrill, Woodward, Eastmond, Nelson, Romney, Madsen; Associate Professors Sudweeks, Warnick, Lambert; Assistant Professors Boyle, Jensen, Hart, Morley, Hansen; Mr. Dixon, Mr. Peterson, Mr. Haymond, Secondary Training School Faculty.

The following courses are suggested for students who desire to take work in other departments of the College of Education: Philosophy of Education 89, 92, 145; Educational Administration 50, 77; Elementary Education 60; Psychology 74, 77. With the approval of the major professor courses from other departments may be offered to fill major requirements.

Upper Division Courses

51. **Organization, Administration and Teaching Methods in Secondary Schools.** Autumn or Winter. M. F., 10:30. Two hours credit. Merrill.

This course includes a study of methods of teaching in high school, necessary as a prerequisite for practice teaching. This is part of the course Organization and Administration of Secondary Schools as outlined in the certification requirements of the state. Courses 51 and 52 will be required for those desiring credit in practice teaching and recommendation to the State Board of Education for certification. In course 51 emphasis will be placed on methods of teaching in high school.

52. **Organization and Administration of Secondary Schools.** Autumn or Winter. T. Th., 10:30. Two hours credit. Woodward.

During this course special attention will be given to the problems of high school organization and administration.

54. **Secondary Teaching.** Autumn, Winter and Spring. Lecture period, W., 10:30. Practice periods to be arranged. Eight hours credit, four hours in each of

two quarters. Merrill, Boyle, Jensen, and Secondary Training School Faculty.

This is a course in practice teaching under supervision. Each student before receiving credit in the course will make a critical study of one good book on the special methods of teaching as his major subject. Approximately 80 hours of participation and responsible class room teaching will be required, but success in the course will be determined by the quality of the work done, not by the number of hours teaching. Each student will train in his major subject unless special arrangements are made for training in other lines. A student should have Educational Psychology and Philosophy of Education 81 as prerequisites to this course. Secondary Teaching 51 and 52 are to be taken as parallel courses. Before a student is registered he must present from his major and minor professors a statement that his scholarship is sufficiently high to justify his teaching the subjects. Hours for practice teaching must be arranged with the Supervisor of Secondary Training when registering.

55. **Junior High School Organization and Teaching.** Spring. M. W. F., 9:30. Three hours credit. Merrill.

This course will deal with the most vital problems in the organization and methods of teaching in the junior high school. The functions, the objectives, the curricula and courses of study, and technique of teaching on this level will be given special consideration. Students will have an opportunity of observing in the Secondary Training School.

58. **Health Education for Teachers.** Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

*62. **Methods of Teaching Art.** Autumn and Winter. Th., 3:30. One or two hours credit. Eastmond. (See Art 54.)

63. Methods of Teaching Agriculture. Autumn. F., 8:30. Two hours credit. Sudweeks.

A practical course in the application of methods to the teaching of Agriculture. Intended to accompany or precede Secondary Education 54. Emphasis will be given to consideration of Smith-Hughes standards and requirements.

64. Methods of Teaching Music. Winter. T. Th., 8:30. Two hours credit. Hanson. (See Theory of Music 91.)

65. Methods of Teaching Modern Languages. Autumn. Time to be arranged. Two hours credit. Cummings. (See German 65, French 65.)

66. Methods of Teaching Physical Education. Autumn and Winter. Time to be arranged. Romney and Dixon. (See Physical Education 92.)

67. Methods of Teaching Home Economics. Autumn. T. Th., 8:30. Two hours credit. Warnick. (See Home Economics 72.)

68. Methods of Teaching Speech. Autumn and Winter. Two hours credit. One hour per week. Time to be arranged. Morley. (See Speech 91.)

69. Methods of Teaching Biology. Autumn or Winter. T. Th. Time to be arranged. Two hours credit. Hayward. (See Zoology 69.)

70. Measurements of High School Teaching. Spring. 1:30. Four hours credit. Sudweeks.

A study of standard tests, now available for use in high school subjects. Some practice will be given in giving and scoring tests, interpreting results, and planning remedial teaching. Open to advanced students only. Some consideration given to Old and New Type Examinations.

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*Special method courses are offered in some of the other subjects. Such courses, when offered, are described as separate courses in the respective departments and credit for such courses is to be used to fill major rather than educational requirements.

71. **Juvenile Sociology.** Spring. T. Th., 9:30. Two hours credit. Boyle. (See Sociology 71.)

81. **Science of Education.** Autumn, Winter and Spring. 8:30. Four hours credit each quarter. Woodward. (See Philosophy of Education 81.)

This course is required of all students in education who expect to qualify for high school state certification and should be taken during the junior year.

91. **The High School Curriculum.** Winter. M. T. W. Th., 9:30. Four hours credit. Merrill.

The principles governing the organization of the high school curriculum. The evalution of the objective, the course of study, and the activity phase of the present high school curriculum. The unification of the work of the various departments of the high school and how these may contribute to the achievement of the recognized aims of education.

92. **Vocational Education.** Autumn. 9:30. Four hours credit. (See Philosophy of Education 92.)

94. **Educational and Vocational Guidance.** Autumn. 9:30. M. T. W. Th. Four hours credit. Merrill.

A survey will be made of the developments in the field of vocational guidance. A consideration of the principles of vocational guidance and early vocational experience as a feature in determining the choice of an occupation; equipment and method of a vocational counselor; the school as a vocational guidance center; modification of the high school curriculum to faciliate vocational choice; type of reading which will lead to proper vocational adjustment; placement as a function of the schools; relation of vocational guidance to industrial education.

Graduate Courses

101. **Special Problems in High School Curriculum with Special Reference to Utah Schools.** Time to be arranged. Four hours credit. Merrill.

A careful analysis will be made of the subject matter and student activities now required of students in the different phases of work in the high schools of Utah. The students will investigate the high schools of their special interests for the purpose of ascertaining the nature of the curriculum that is at present being administered, and comparing this with the latest thought in the field of curriculum making.

102. **Problems in Part-time Education.** Hours to be arranged. Two hours credit. Merrill and Woodward.

This course deals with the methods and problems of part-time education; the character of the population to be educated, methods of teaching in part-time classes, job analysis and course organization.

147. **Research Work in Secondary Teaching.** The consent of the instructor is necessary before registering. Merrill.

In certain courses, students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic embodying the results of independent work.

148. **Introduction to Research and Thesis Writing.** Autumn. Two or three hours credit.

A course in principles and techniques, research and training in thesis preparation with instruction in using sources of materials, preparation of bibliography, organizing and reporting results of investigations, selection of suitable thesis problems. Senior students may enter with the consent of the instructor. All students registering as candidates for the Master degree in the College of Education are expected to take this course.

150. **Graduate Seminar in Education.** Each alternate Monday, 7:30 to 9:30 p. m.

169. **Measurements of High School Teaching.** Spring. 1:30. Four hours credit. Sudweeks.

(See Secondary Education 69.)

191. The High School Curriculum. Winter. M. T. W. Th., 1:30. Four hours credit.

(See Secondary Education 91.)

192. Vocational Education. Autumn. 9:30. Four hours credit. Merrill.

(See Philosophy of Education 92.)

194. Educational and Vocational Guidance. Autumn. M. T. W. Th., 9:30. Four hours credit. Merrill.

200. Thesis Work in Secondary Education. From four to eight hours credit, depending upon the problem. Merrill and Woodward.

SOCIOLOGY

Professors Swenson, Woodward, Nelson, Hansen;
Assistant Professor Boyle.

Courses 11 and 12 are prerequisite to all other courses in Sociology. Upper division students register for these courses as 55 and 56 for upper division credit.

Lower Division Courses

11 or 55. Introduction to the Study of Sociology. Autumn and Winter. Daily, 2:30. Five hours credit each quarter. Swenson.

This course is designed to give the ground work for social study. It is designed to present a general view of social organizations, social forces and a practical working theory of the nature of society.

12 or 56. Social Problems. Spring. M. W. F., 2:30. Three hours credit. Swenson.

This course deals with concrete social problems such as crime, poverty, racial conflicts, etc. Discussions, papers, and assigned readings.

Upper Division Courses

51. Community Organization and Leadership. Spring. M. W. F., 9:30. Three hours credit. Swenson. (Not given this year.)

This course deals with the problems of community life and action, and the methods of promoting them through organization and leadership. Special attention will be given Church organizations in their relation to the recreational, ethical, and spiritual life of the community.

52. History and Development of the Mormon Community. Autumn. M. W. F., 10:30. Three hours credit. Nelson.

This course deals with the evolution of the "village" form of community organization among the

Latter-day Saints. The social, political, economic, and intellectual characteristics of the early nineteenth century are studied as background material. Subordinate treatment is given to village systems of Europe and Asia, and their possible relation to the Mormon village. Early economic ideals of the Mormons as embodied in the "United Order," together with other plans for "building Zion" are considered.

53. **Rural Sociology.** Winter. M. W. F., 10:30. Three hours credit. Nelson.

A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time, such as rural migration, standard of living, town and country relations, and changes in institutional life.

61. **Educational Sociology.** Autumn. M. W. F., 9:30. Three hours credit. Swenson.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. **Social Pathology.** Winter. 9:30. Two hours credit. Swenson. (Not given this year.)

A study of local organizations for social, civic, and philanthropic work.

66. **Urban Sociology.** Winter. 9:30. Two hours credit. Swenson. (Not given this year.)

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

70. **Social Control.** Spring. M. W. F., 8:30. Three hours credit. Swenson.

A study of the means of the control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideals, etc., will be studied in detail.

71. Juvenile Sociology. Autumn. T. Th., 9:30. Two hours credit. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group. The child's moral equipment, his social traits, and moral and sex education through school subjects. History of juvenile delinquency and the study and treatment of delinquents.

75. The Family. Spring. M. W. F., 8:30. Three hours credit. Swenson. (Not given this year.)

A study of the history and development of the family and its place as an institution in the development of our civilization. The course also considers the modern family and its problems.

77. Social Case Work. Autumn and Winter. F., 1:30 to 3:30. Two hours credit. Nelson and members of the General Board of the Relief Society.

Principles and practices of case work with the maladjusted and the dependent. This course is given in cooperation with the General Board of Relief Society.

81. The History of Social Theory. Spring. M. W. F., 9:30. Three hours credit. Swenson.

The course deals with evolution of social theories beginning with Plato and considering the developments through the early Christian Era and also the Medieval and modern social theorists.

85. Education and Twentieth Century Civilization. Autumn. M. W. F., 9:30. Three hours credit. Woodward. (See Philosophy of Education 90.)

89. Social Ethics. Spring. T. Th., 10:30. Two hours credit. Woodward. (See Philosophy of Education 89.)

90. Labor Problems. See Economics 59.

91. Labor Legislation. See Economics 61.

94. Anthropology. Autumn. T. Th., 11:30. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archeological evidence.

95. American Anthropology. Winter. T. Th., 11:30. Two hours credit. Hansen. (Not given this year.)

A study of the American Indian and his place among the races of mankind as interpreted from paleontological data.

96. Cultural Anthropology. Spring. T. Th. Two hours credit. Nelson. (Not given this year.)

An analysis of the social institutions of primitive people and how those institutions have developed. The meaning and content of culture.

97, 98, 99. Recent Social Trends. Autumn, Winter, Spring. W., 4:30. Two hours credit each quarter. Nelson.

Graduate Courses

101, 102, 103. Research. Time and credit to be arranged. Swenson and Nelson.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

104. Research Methods in Social Science. Spring. M. W. F., 2:30. Three hours credit. Nelson.

The nature of social science; types of approach to and methods of study of social phenomena. Students should have some knowledge of statistical method before taking the course, or secure consent of the instructor.

151. **Community Organization.** Spring. M. W. F., 9:30. Three hours credit. Swenson. (See Sociology 51.)

152. **History and Development of the Mormon Community.** Autumn. T. Th., 11:30. Two hours credit. Nelson.

161. **Educational Sociology.** Autumn. 9:30. Three hours credit. Swenson.

169. **Advanced Anthropology.** Spring. T. Th. Two hours credit.

170. **Social Control.** Spring. Three hours credit. Swenson.

171. **Juvenile Sociology.** Autumn. Two hours credit. Boyle.

175. **The Family.** Spring. Three hours credit. Swenson.

181. **History of Social Theory.** Winter. M. W. F., 9:30. Three hours credit. Swenson.

185. **Social Organization.** Winter. Three hours credit.

189. **Social Ethics.** Spring. T. Th., 10:30. Two hours credit. Woodward.

190. **Labor Problems.** Winter. Three hours credit.

191. **Labor Legislation.** Spring. Three hours credit.

194. **Anthropology.** Autumn. Two hours credit. Hansen.

195. **Cultural Anthropology.** Spring. Two hours credit. Nelson. (Not given this year.)

196. Research. Time and credit to be arranged.

197, 198, 199. Recent Social Trends. Autumn, Winter, Spring. M., 4:30. Two hours credit each quarter. Nelson.

A cross-section of contemporary American civilization. Special attention will be given the reports of the Hoover Commission on Social Trends.

200. Thesis.

SPEECH

Professors Pardoe, De Jong, Poulson; Assistant Professor Morley; Mrs. Stewart.

Students majoring in this department are required to furnish two years in a foreign language. They may elect one of the two divisions, Public Speaking or Dramatic Arts. Requirements for Public Speaking are Speech 1, 2, 3, 11, 42, 51, 52, 53, 77 or 78, 84p, and 91. Requirements for Dramatic Arts are 1, 11, 12, 22, 42, 43, 62, 72, 73, 81p, 87p and 91.

It is advisable to register for Physics 11, Psychology 11, and 70, and Art 21.

Lower Division Courses

1. **Principles of Speech.** Autumn. M. W. F., 1:30. Three hours credit. Pardoe.

The elements of speech, proper carriage, and simple outline of speeches constitute the major portion of this course. The overcoming of self-consciousness, and the ability to feel at ease developed to a profitable conclusion. Students intending to teach, may procure voice guidance and qualification in this course or Speech 12.

2. **Open Forum Discussion.** Winter. M. W. F., 1:30. Three hours credit. Pardoe.

Encouragement and practice in extemporaneous speech and application of speech principles. Methods of vocabulary building.

3. *__Speech Analysis.__ Spring. M. W. F., 1:30. Three hours credit. Pardoe.

The study of masterpieces and models of speech composition. Practice in delivery and analysis. Much of this course is planned for platform practice, extemporaneous and impromptu. Individual needs especially motivated.

11. **Elementary Elocution.** Autumn. T. W. Th. F., Sec. 1, 8:30; Sec. 2, 9:30. Four hours credit. Morley.

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*Classes in speech are divided for best individual attention as registration warrants.

Fundamental principles of speech arts. Thought analysis and methods of expression constitute the major portion of this course.

12. **Classical Literature.** Winter. T. W. Th. F., Sec. 1, 8:30; Sec. 2, 9:30. Three hours credit. Morley.

Application of the elements of reading to great scenes of classical literature. Voice and body technique are scientifically treated with relation to their importance to the art of interpretation.

13. **Dramatic Monologue.** Spring. M. W. F., Sec. 1, 8:30; Sec. 2, 9:30. Four hours credit. Morley.

Special attention is given to the dramatic monologue and soliloquy. The ability to project thought analysis without losing the spirit of the selection is given special attention.

21. **Interpretative Literature.** Autumn. M. W. F., 10:30. Three hours credit. Morley. Courses 11, 12, and 13 are prerequisites.

A study of thought and emotion with relationship to the printed page. Character delineation forms a great portion of the work. Américan authors are given special consideration.

22. **Dialogue and Scene Presentation.** Winter. M. W. F., 10:30. Three hours credit. Morley. Courses 11, 12, 13, prerequisites.

The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form a basis of the course. Character analysis and presentation.

42. **Practical Phonetics.** Winter. T. Th., 1:30. Two hours credit. De Jong.

A course prescribed for all majoring in speech. Given to aid students to acquire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages, Phonetics 42.)

43. **Representative Dialect.** Spring. M. W. F., 10:30. Three hours credit. Pardoe. Speech 42 is a prerequisite.

A study of dialect as an element of humor in interpretation. Different dialects are presented.

Upper Division Courses

51. **Advanced Speech Composition.** Autumn. M. W. F., 8:30. Three hours credit. Pardoe.

An intensive study of the organization of advanced forms of public speaking and practical experience in their delivery.

52. **Argument and Debate.** Winter. M. W. F., 8:30. Three hours credit. Pardoe. Prerequisite: English 1, 2, 3, or Speech 1 and 2.

A study of the principles of argument followed by a series of debates on current questions. (See English 6.)

53. **Lecture and Oration.** Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A course designed for students preparing for the mission field and for those who wish to participate in the public speaking activities of the Church. Other students who desire efficiency in the expression of their major subjects, may elect this course.

54. **Speech Contest Course.** Autumn. T. Th., 10:30. Two hours credit. Pardoe.

This course gives students a scholarly approach to the various current speech contests. The oration, public speech, essay, poetry and dramatic reading will be used in actual contest, judged and rated. Materials for contest will be discussed. The course is designed especially for recreational leaders and Mutual Improvement workers.

61. **Speech Projects.** Autumn. W., 3:30. One hour credit. Pardoe.

A speech seminar studying individual problems.

62. Speech Projects. Winter. W., 3:30. One hour credit. Pardoe.

A course devised for upper division students for the study of the philosophy and uses of speech.

63. Impersonation. Winter. M. T. Th. F., 3:30. Four hours credit. Pardoe.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses 1, 2, 11, 12, 13, and 22 are eligible. Public recitals form a good portion of the practice work.

71. Stage Craft. Autumn. M. W. F., 2:30. Two hours credit. Morley. Two classes and one laboratory period a week. It is suggested that students take Art 21 as a preparation for this course.

This is a practical course in design, construction and handling of scenery, costumes, properties and lighting employed in present-day theatrical art.

72. Acting. Winter. M. W. F., 2:30. Two hours credit. Two classes and one laboratory period per week. Advanced students only. Morley.

A study of the principles governing the art of acting will be made. Practical application of the technique learned will be made in productions prepared for the Little Theatre. Instruction in make-up will form part of the course.

73. Play Production. Spring. M. W. F., 2:30. Three hours credit. Three classes and one laboratory period per week. Advanced students only. Morley. Courses 11, 12, 13, 22, prerequisites.

77. History of Dramatic Production. Autumn. T. Th., 1:30. Two hours credit. Pardoe.

The Egyptian, Grecian and Roman Theatre. A study of the means employed in the theatrical presentations during the above periods.

78. History of Dramatic Production. Winter. T. Th., 1:30. Two hours credit. Pardoe.

The Oriental theatre and the European theatre from the Romans to Elizabeth.

79. **History of Dramatic Production.** Spring. T. Th., 1:30. Two hours credit. Pardoe.

From Elizabeth to the moderns.

81-p. **Dramatic Technique.** One hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course in advanced interpretation. A careful analysis and study of human emotions and their portrayal, bodily coordination, pantomime, gesture. Time and fee to be arranged with instructor.

84-p. **Public Speaking.** One hour credit per quarter for each recitation per week. Pardoe, Morley.

An intensive individual course designed for those who desire to concentrate on organization and delivery of the more advanced forms of public speech. Time and fee to be arranged with instructor.

87-p. **Voice and Speech Improvement.** One hour credit per quarter for each recitation per week. Pardoe, Morley, Stewart.

An intensive individual course designed to help the student acquire good speech habits with particular attention to development of a pleasing, well-modulated speaking voice. Time and fee to be arranged with instructor.

91. **Methods of Teaching Speech.** Spring. T. Th., 8:30. Two hours credit. Morley.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching. (See Secondary Education 68.)

Graduate Courses

131. **Technique of Play Writing.** Winter, Spring. Three hours credit. Pardoe.

132. **Technique of Play Writing.** Three hours credit. The writing and producing of original plays, with emphasis laid upon western themes. The virgin field of mountain and pioneer stories will furnish major material. Time to be arranged. Pardoe.

143. **Dialect Research.** Spring. M. W. F. Laboratory, two hours per week. Three hours credit. Pardoe. Speech 42 and 43 are prerequisites.

153. **Lecture and Oration.** Spring. M. W. F., 8:30. Three hours credit. Pardoe.

171. **Stage Craft.** Autumn. M. W. F., 2:30. Two hours credit. Morley.

172. **Acting.** Winter. M. W. F., 2:30. Two hours credit. Morley.

173. **Play Production.** Spring. M. W. F., 2:30. Two hours credit. Morley.

177. **History of the Drama (Ancient).** Autumn. T. Th. Pardoe.

178. **History of Dramatic Production (the Oriental Medieval Theatre).** Winter. T. Th., 1:30. Two hours credit. Pardoe.

179. **History of Dramatic Production.** Includes the Elizabethan period to Ibsen.

191. **Methods of Teaching Speech.** Spring. T. Th. Two hours credit. Morley.

194. **Speech Correction.** T. Th. Time to be arranged. Pardoe. Speech 105 a prerequisite.

200. **Thesis.** Three to five hours credit. Time to be arranged. Individual research upon a problem of importance to speech. Ability to conduct experiments necessary. Subject must be submitted for work during three quarters. Pardoe.

ZOOLOGY AND ENTOMOLOGY

Professor Tanner; Doctors Cullimore, Oaks, Merrill; Mr. Hayward.

Students majoring in this department must complete courses 11, 30, 55, 56, 71, 75, 78, 80, 82, and 94. Substitution of other courses is permitted in special cases. Students are also advised to complete two years of German and French if they contemplate doing advanced work in Zoology or Entomology.

Students who expect to study Medicine may take Zoology for their major subject and complete the courses advised or they may take the following courses: 11, 55, 56, 71, and 72.

Students who desire to teach Biology in the high school should complete the following courses: 11, 30, 55, 56, 58, 65, 69, and 71; Botany 3, 12, and 21.

Facilities for the Study of Zoology and Entomology

The natural history collections consist of a very complete collection of Utah fish, amphibians, reptiles, birds, and mammals. This collection is also supplemented by the Chester Van Buren collection of birds from Magdalena River of Colombia, South America, which consists of over a thousand skins; and the David Starr Jordan collection of fish from the Hawaiian Islands. The entomological collection contains authoritatively named specimens in all the orders of insects. The pinned insects are placed in four hundred trays, 18x19 inches in size, two inches deep. The specimens are pinned in unit boxes. The Lepidoptera collection is a very complete one of Utah and the Great Basin region. It contains over six hundred named species and ten thousand specimens. It is made up of the famous Tom Spalding collection and the Chester Van Buren collection. The Coleptera collection contains over five thousand determined species and thirty-five thousand specimens. It contains a very complete collection of weevils, 280 species from the Blatchley collection.

A well equipped laboratory is maintained at the mouth of Provo River on the east shore of Utah Lake. This provides ample facilities for careful study of this interesting fresh water lake.

ZOOLOGY

Lower Division Courses

11. General Zoology. Autumn and Spring. T. Th., 10:30. Laboratory. Autumn. T., 1:30-3:30; Spring. Th., 1:30-3:30. Three hours credit. Tanner, Hayward.

Fundamentals of structure, physiology, development, heredity, adaptations, classifications, and bearing of Biology on human life.

18. Evolution and Genetics. Winter and Spring. M. W. F., 10:30. Three hours credit. Prerequisite: Zoology or Botany Laboratory course. Tanner and Hayward.

A course dealing in a general way with the theories and evidences of organic evolution. The laws and physical basis of heredity are studied in the light of their relationship to evolution. A cultural course designed to give fundamental training in biological science.

23. Animal Ecology. Spring. M. W., 9:30; Laboratory W., 2:30-5:30. Three hours credit. Tanner.

This course will consist of lectures and field work. The environment, natural habitats, adaptions, relationships of organisms, and distribution of species and communities will be considered.

Upper Division Courses

55. Invertebrate Zoology. Winter. T. Th., 8:30. Laboratory M. W., 1:30-4:30. Four hours credit. Tanner, Hayward.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationship of the invertebrate groups. Much emphasis will be placed upon the invertebrate life of the Great Basin region. Considerable time will be spent on the phylum Arthropoda.

56. Vertebrate Zoology. Spring. T. Th., 8:30. Laboratory, M. W., 1:30-4:30. Four hours credit. Tanner, Hayward.

A general course dealing with the habits and the geographical distribution of the vertebrate species. Much time will be devoted to a study of the fish, amphibians, reptiles, birds and mammals of the Great Basin.

57. Ornithology. Spring. T. Th., 7:30. Laboratory, Th., 1:30-3:30. Three hours credit. Hayward. Prerequisites: Zoology 11 and 56.

A course in the evolution, structure, classification, and distribution of birds, with special reference to the Utah species. There will be several field trips including an all-day trip to Bear River Bay Region.

58. Health Education for Teachers. Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. Open to juniors and seniors. This course deals primarily with teachers' particular problems in posture, nutrition, hygiene of the nervous system, detection of physical defects, school room hygiene and sanitation. Botany 21 is recommended as preliminary to this course.

59. Ichthyology. Winter. M. W. F., 8:30. Three hours credit. Tanner.

An introductory course dealing with the problems relating to the life history of fishes, classification of species found in this region, and a study of the ecology of the Great Basin fishes.

65. Human Physiology. Spring. M. W. F., 7:30; Laboratory T., 1:30-4:30. Four hours credit. Cullimore, and Hayward.

This course is designed to give the student a working knowledge of the life processes as they function in man. The properties of living matter will be studied as a basis for understanding the mechanism of the specialized systems of the human body. Prerequisite: Zoology 11.

69. **Methods of Teaching Biology.** Autumn or Winter. Two hours credit. Tanner, Martin, Hayward, and Snow.

A courses in the methods of organizing and presenting the subject matter in the high school biology course. Special emphasis will be placed on project methods, demonstrations, laboratory work and on the collection and use of illustrative material.

71. **Histology.** Autumn. M., 9:30; Laboratory, M. W. F., 1:30-4:30. Three hours credit. Tanner and Hayward.

Microscopic structure of the tissues and organs of animals. Practical training in fixing tissues, embedding, sectioning, staining, and mounting of permanent specimens.

72. **General Embryology.** Autumn. F., 1:30. Laboratory six hours a week. Three hours credit. Tanner. (Not given this year.)

An introduction to the study of the development of the individual animal. The general topics which are discussed in lectures and studied in the laboratory are the germ cells and their formation, fertilization of the egg, cleavage of the egg, the formation of the germ layers. The origin and development of the organs and organ-systems of vertebrate animals are studied.

73. **Aquatic Zoology.** Autumn. M. W. F., 9:30. Three hours credit. Tanner.

A general course in the study of fresh water animals of Utah Lake. A study of aquatic habitats is made in connection with field and laboratory work, involving the collection and identification of the more significant invertebrates, the determination of life histories, the study of structural and physiological adaptations, and an analysis of the chemical, physical, and biological factors operative in each complex. A series of lectures dealing with the more fundamental principles of limnology supplement the field and laboratory work. The course is planned for prospective teachers of Biology as well as those who expect to major in Zoology. The work will be conducted at the Lakeside Biological Laboratory which has been established at the mouth of Provo River and on the shores of Utah Lake. A commodious building and equipment provides facilities for the study of the many problems of this fresh water lake.

75. **History of Biology.** Winter. T. Th., 10:30. Two hours credit. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

79. **Eugenics.** Spring. M. W. F., 10:30. Tanner. (Not given this year.)

This course will stress such problems as, the laws of natural inheritance, population problems, environment, reform, marriage and divorce, and state aid for education. A study of the biological foundations of society will also be made. Prerequisite: some laboratory course in Zoology or Botany.

80, 81. **Seminar.** Autumn, Winter. One hour credit each quarter. Time to be arranged. Tanner, Hayward.

Required of all majors in this department during their junior and senior years.

85. **Fresh Water Zoology Problems.** Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the plankton, mollusks, insects, fish, etc., of the lake. Problems will be assigned to individual students. Previous zoological work is a prerequisite. The work will be conducted at Lakeside Biological Laboratory.

93. **Field Zoology.** Time and credit to be arranged. Tanner.

Open only to students majoring or minoring in Zoology and Entomology. Students may make extensive collections of the animal life of this state or adjoining states and then make a report on the same. The report and collection must be left with the university. This course aims to give the students training in systematic Zoology and museum work.

ENTOMOLOGY

Lower Division Courses

30. **Elementary Entomology.** Autumn. T. Th. F., 1:30-3:30 Three hours credit. Hayward.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of this course.

34. **Economic Entomology—Field, Orchard and Garden Insects.** Autumn. M. W. F., 2:30-5:30. Three hours credit. Tanner.

A study of the principal injurious and beneficial insects of the field, orchard and garden. Will include field laboratory, and bibliographic work. Prerequisite course 30.

Upper Division Courses

61. **Morphology of Insects.** Winter. Laboratory. M. T. W. Th., 1:30-4:30. Four hours credit. Tanner and Hayward.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of insects. A few typical insects will be thoroughly studied.

62. **Insect Classification.** Spring. Afternoon laboratory periods to be arranged. Three to five hours credit. Tanner and Hayward.

Students will collect and study systematically the insect fauna of the Provo region. Prerequisite: Course 61.

63. Arthropods of the Intermountain States. Spring. M. W. F., 10:30. Three hours credit. Tanner.

A general course dealing with the morphology, physiology, and classification of the Arthropods of this region. An important course for all majors in Zoology.

64. Advanced Entomology. Winter and Spring. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

94. Principles of Nomenclature. Winter. M., 4:30. One hour credit. Tanner.

A lecture course dealing with the principles of nomenclature and intended to meet the needs of students from any of the biological departments.

Graduate Courses

102, 103, 104. Special Problems in Systematic Entomology. Time and credit to be arranged.

Studies in the structure and classification of certain groups of insects as Coleoptera, Diptera, Hymenoptera, etc.

105, 106. Research Work in Insect Morphology. Time and credit to be arranged.

Special emphasis will be placed upon the morphology of the beetles. However, students may choose any group for detailed study.

107, 108, 109. Special Problems in Economic Entomology. Time and credit to be arranged.

The student is here given an opportunity to make a more or less detailed study of some insect or group of insects of economic importance. Students are encouraged to do considerable life history work.

110, 111, 112. History of Entomology. A one hour lecture or seminar course required of all graduate students. Time and credit to be arranged.

113, 114, 115. Research Work in Systematic and Economic Ornithology. Time and credit to be arranged.

117, 118, 119. Zoological Research. Time and credit to be arranged.

This course is open to all students prepared to do graduate work in any branch of zoological science.

200. Research. Thesis. Credit by arrangement.

This course is required of all students seeking a master's degree in this department.

Extension Division

FACULTY

FRANKLIN STEWART HARRIS, **President**
LOWRY NELSON, **Director**
ALFRED OSMOND, **English**
CHRISTEN JENSEN, **History and Political Science**
ELBERT H. EASTMOND, **Art**
AMOS N. MERRILL, **Secondary Education**
EDWARD H. HOLT, **Office Practice**
BENJAMIN F. CUMMINGS, **Languages**
THOMAS L. MARTIN, **Agronomy**
HUGH M. WOODWARD, **Philosophy of Education**
WILLIAM J. SNOW, **History**
T. EARL PARDOE, **Speech**
M. WILFORD POULSON, **Psychology**
VASCO M. TANNER, **Zoology and Entomology**
GERRIT DE JONG, JR., **Languages**
HERALD R. CLARK, **Finance and Banking**
GEORGE H. HANSEN, **Geology and Geography**
ELMER MILLER, **Economics**
MILTON MARSHALL, **Physics**
GUY C. WILSON, **Religious Education**
HARRISON R. MERRILL, **English**
JOSEPH SUDWEEKS, **Religious Education**
C. S. BOYLE, **Accounting and Business Administration**
EFFIE WARNICK, **Home Economics**
WAYNE B. HALES, **Physics and Mathematics**
IDA SMOOT DUSENBERRY, **Psychology**
WILLIAM H. SNELL, **Mechanic Arts**
ASAEL C. LAMBERT, **Educational Administration**
EDGAR M. JENSEN, **Educational Administration, Art**
ALONZO J. MORLEY, **Speech**
H. GRANT IVINS, **Animal Husbandry**
KARL E. YOUNG, **English**
JOHN E. HAYES, **Registrar**
KIEFER B. SAULS, **Secretary to the President, Purchasing Agent**
ELSIE C. CARROLL, **English**

W. ELMO COFFMAN, **Science**
ETTA SCORUP, **Home Economics**
C. LYNN HAYWARD, **Zoology**
BERTRAND F. HARRISON, **Botany**
C. LAVOIR JENSEN, **Mathematics**
A. REX JOHNSON, **Accounting and Business Administration**
MRS. CHRISTEN JENSEN, **English**
MRS. NELLIE S. THORNTON, **English**
J. F. WAKEFIELD, **Apiculture**
A. A. ANDERSON, **Scouting**

Never before in the world's history were so many people attending college. But great as has been the increase in enrollment of resident students, it does not compare with the remarkable growth of what has come to be termed "Adult Education." Adults can learn as readily as younger people, if they apply themselves with equal attentiveness. This has been demonstrated scientifically in recent experiments.

Doubtless, the growth of adult education is partly due to the necessity of people learning new things. The development of science and invention has been so rapid in recent years as literally to flood the earth with strange new devices. Old occupations have been destroyed and new ones created. All people have been made aware of the interests and problems of others as a consequence. There has come an amazing demand from the general population for instruction suited to its needs.

The Extension Division brings the University departments of instruction to your door. If you would study history, literature, mathematics, or practically any other subject in the University, you can now study it under expert guidance through the Home Study Bureau.

Directed Home Study

Hundreds of students are enrolled annually in courses, the instruction in which is carried on by the correspondence method. This method has the advantage of placing the student in direct touch with the instructor and allowing him to study at home at hours suited to his convenience.

Extension Division Aims

To render service to those ninety-nine out of every hundred citizens, who, it is estimated, are unable to take advantage of the benefits of attending an educational institution, is the chief aim of the Extension Division of the Brigham Young University. To this end, correspondence courses and extension classes are offered to the public at a reasonable rate. Indeed, instruction by extension methods is more reasonable in Utah, than in the vast majority of states of the Union. Courses may be taken for credit or not.

Method of Instruction

After filing the application for enrollment and paying the fee, the student is sent the assignments of the course. He is given full instruction as to the required reading and preparation of his lesson, including questions to test his knowledge of the ground covered.

After preparing for recitation, the student does the required written work and mails it to the Extension office. This paper is criticized by the instructor, graded and return to the student.

Each correspondence course carries credit equivalent to the corresponding courses in residence and therefore covers a definite amount of work. Most of the courses contemplate the students' preparing about five assignments for each quarter hour of credit received.

Regulations

1. No degree is offered for work done wholly in absence.

2. A student may begin at any time a course for which he is prepared, and must complete it within a year from the time he registers. He must distribute

his reports with approximate evenness throughout the period of study. Each assignment is aimed to cover about a week's study in that particular subject provided the student spends about an hour a day. If he desires to send in more than two assignments a week, he should obtain permission from the instructor. Reports may be rejected if the student attempts to compress his work unduly. This is considered to be a practice which is not conducive to the most satisfactory work.

3. A student may not take correspondence work while in residence without the consent of the Dean concerned.

4. A student who does not report either by letter or lesson within a period of ninety days may thereby forfeit his right to further instruction in the course.

5. Unless otherwise stated examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the University.

Entrance Requirements

Registration for extension courses demands the same entrance requirements as do courses in residence. That is, matriculation for college courses presupposes sixteen units of high school work. However, exception may be made in favor of mature students, or those who have practically completed their high school work.

Fees

The charge for correspondence courses is at the rate of $2.50 a credit hour, except as indicated in some courses, with a minimum fee of $5.00.

Fees will not be refunded because of inability of the student to continue a course for which he has registered. Permission to change to some other course may be given, however.

Extension Classes

The faculty of the school goes out into the communities and organizes regular classes which receive very much the same instruction as do resident students in corresponding courses. These classes are deigned to meet the needs of persons who are not resident students of an educational institution. The usual procedure where such a class is desired is for the group to send to the Extension Division for an instructor.

Lectures and Entertainments

Members of the faculty have addressed or entertained in the neighborhood of two hundred thousand people in Utah and surrounding states during each of the past few years. These lectures and entertainments have for the most part been free except for transportation charges. The Extension Division, however, offers a regular lyceum course consisting of high class lectures and entertainments, for which a nominal charge is made.

Social Service

In this department there is included miscellaneous service consisting of recreation, club programs, plays and pageants, visual education, package libraries, etc.

Publications

The Extension Division publishes from time to time circulars of general or specific interest. These circulars may be on any one of a wide number of subjects. In fact, any department of the University may have the opportunity of publishing material through this bureau as far as resources will permit.

Leadership Week

The first annual Leadership Week was held in January, 1922. Since that time it has been an annual event. In January, 1933, the attendance represented 65 stakes of the Church. About twenty short courses were given.

CORRESPONDENCE COURSES

NOTE: Courses marked "x" are either not given in residence or do not correspond precisely to residence courses in the same subject. All other courses parallel residence courses by the same number.

ACCOUNTING AND BUSINESS ADMINISTRATION

1. **Elementary Accounting.** Five hours credit. Boyle.
2. **Elementary Accounting.** Five hours credit. Boyle.
14x. **Commercial Art.** Two hours credit. Jensen. Fee $7.00.
22. **Principles of Marketing.** Three hours credit. Johnson.
24. **Salesmanship.** Three hours credit. Johnson.
25. **Advertising.** Three hours credit. Johnson.
27. **Cooperative Marketing.** Three hours credit. Nelson.
30. **Commercial Geography.** Five hours credit. Hansen.
50. **Intermediate Accounting.** Four hours credit. Clark.
51. **Intermediate Accounting.** Three hours credit. Clark.
52. **Intermediate Accounting.** Four hours credit. Clark.
61. **Personnel Management.** Three hours credit. Boyle.
62. **Personnel Management.** Three hours credit. Boyle.
63. **Personnel Management.** Three hours credit. Boyle.
74. **Principles of Statistics.** Three hours credit. Boyle.
75. **Business Statistics.** Two hours credit. Boyle.

AGRONOMY

21. **Root Crops.** Four hours credit. Martin.
22. **Cereal Crops.** Four hours credit. Martin.
23. **Forage Crops.** Four hours credit. Martin.
41. **Soils.** Three hours credit. Martin.
92. **Bacteria in Relation to Soil Fertility.** Three hours credit. Martin.
94. **History of Agriculture.** Three hours credit. Nelson.
99. **Agricultural Literature.** Credit to be arranged. Martin.

ANIMAL HUSBANDRY

2. **History of Breeds of Live Stock.** Five hours credit. Ivins.
8. **Practical Poultry Farming.** Three hours credit. Ivins.

ART

14x. Commercial Art. Two hours credit. Jensen. Fee $7.00.

17x. Illustration. Two hours credit. Eastmond. Fee $7.00.

47. Art Pageantry Production. Two hours credit. Eastmond.

BOTANY

21. General Bacteriology. Three hours credit. Martin.

55x. Local Flora. Three or five hours credit. Harrison.

90. Advanced Systematic Botany. Harrison.

DRAWING

4. Drawing. Two hours credit. Snell.

5. Drawing. Two hours credit. Snell. Prerequisite 4.

6. Drawing. Two hours credit. Snell. Prerequisite 5.

10. Instrumental Perspective. Two hours credit. Snell. Prerequisite 4, 5, 6, or equivalent.

13. Architectural Drawing. Two hours credit. Snell. Prerequisite 4, 5, and 6.

14. Architectural Drawing. Two hours credit. Snell. Prerequisite 13.

15. Architectural Drawing. Two hours credit. Snell. Prerequisite 14.

ECONOMICS

11. Introduction to Economics. Three hours credit. Miller.

12. Principles of Economics. Three hours credit. Miller. Prerequisite, Economics 11.

13. Current Economic Problems. Three hours credit. Miller.

31. Cooperative Marketing. (See Sociology 53.) Nelson.

61. Labor Problems. Three hours credit. Boyle.

93. Economic History of Agriculture. Three hours credit. Nelson.

EDUCATIONAL ADMINISTRATION

5. **Educational Administration.** (See Elementary Education.) Three hours credit.

50. **Rural Education.** Three hours credit. Merrill.

60x. **Youth and Its Leadership.** Five hours credit. Lambert.

ELEMENTARY EDUCATION

5. **School Organization and Administration.** Three hours credit. Lambert.

12. **Elementary School Curriculum.** Three hours credit. Lambert.

22. **Hygiene and Sanitation.** Three hours credit. Hayward.

PHILOSOPHY OF EDUCATION

74. **Rural Sociology.** Three hours credit. Nelson. (See Sociology 53.)

81. **Science of Education.** Four hours credit. Woodward.

86. **History of Education.** Three hours credit. Woodward.

SECONDARY EDUCATION

53. **Organization and Administration.** Three hours credit. A. N. Merrill.

55. **Secondary Education in the United States.** Four hours credit. Merrill.

ENGLISH

1. **Rhetoric and Composition.** Three hours credit. Thornton.

2. **Rhetoric and Composition.** Three hours credit. Thornton. Continuation of course 1.

3. **Rhetoric and Composition.** Three hours credit. Thornton. Continuation of course 2.

4. **Business English.** Three hours credit. Mrs. Carroll.

5. **Newswriting.** Two hours credit. Merrill.

11. Advanced English Grammar. Four hours credit. Young.

16x, 17x. **Survey of American Literature.** Four hours credit. Mrs. Jensen.

20, 21, 22. Masterpieces of English Literature. Six hours credit. Mrs. Carroll.

21x, 22x, 23x. Survey of English Literature. Nine hours credit. Mrs. Jensen.

44x. History and Development of the American Novel. Four hours credit. Osmond.

51. Feature Writing. Two hours credit. Merrill.

50x, 51x, 52x. Readings in World Literature. Six hours credit. Mrs. Jensen.

53x, 54x, 55x. Readings in World Literature. Six hours credit. Mrs. Jensen.

57. Short Story Writing. Two hours credit. Osmond.

58x. The Modern Short Story. Three hours credit. Mrs. Jensen.

65. Recent Drama. Three hours credit. Pardoe.

76x. Tennyson. Three hours credit. Mrs. Jensen.

86-1x. The Poetry of Robert Browning. Three hours credit. Mrs. Jensen.

86-2x. Continuation of 86-1x. Three hours credit. Mrs. Jensen.

FINANCE AND BANKING

51. Business Finance. Four hours credit. Clark.

52. Continuation of 51. Four hours credit. Clark.

53. Money and Banking. Four hours credit. Clark.

54. Investments. Four hours credit. Clark.

GEOLOGY AND GEOGRAPHY

1. Survey Course. Four hours credit. Hansen.

30. Geography of Economic Products. Five hours credit. Hansen.

80. Human Geography. Three hours credit. Hansen.

HISTORY

1x. History of Modern Europe, 1500-1680. Three hours credit. Snow.

2x. History of Modern Europe, 1680-1815. Continuation of course 1. Three hours credit. Snow.

3x. History of Modern Europe, 1815 to Present Time. Three hours credit. Snow.

18x or 51x. History of Civilization. Four hours credit. Snow.

20, 21, 22. American History. Nine hours credit. Jensen.

HOME ECONOMICS

10x. Elementary Nutrition. Two hours credit. Scorup.

80. Household Administration. Three hours credit. Warnick.

MATHEMATICS

11. College Algebra. Five hours credit. Marshall.

12. Plane and Spherical Trigonometry. Five hours credit. Marshall.

50. Differential Calculus. Four hours credit. Hales.

GERMAN

13x. Directed German Reading. Three hours credit. Prerequisite, ten hours of German. de Jong.

57x, 58x, 59x. Directed German Reading. Three hours credit for each course. Prerequisite, fifteen hours of German. de Jong.

67x. German Composition. Three hours credit. Prerequisite, eighteen hours of German. de Jong.

FRENCH

13x. Directed French Reading. Three hours credit. Prerequisite, ten hours of French. Cummings.

57x, 58x, 59x. Directed French Reading. Three hours credit for each course. Prerequisite, fifteen hours of French. Cummings.

67x. French Composition. Three hours credit. Prerequisite, eighteen hours of French. Cummings.

SPANISH

13x. Directed Spanish Reading. Three hours credit. Prerequisite, ten hours of Spanish. Cummings.

57x, 58x,59x. Directed Spanish Reading. Three hours credit for each course. Prerequisite, fifteen hours of Spanish. Cummings.

67x. Spanish Composition. Three hours credit. Prerequisite, eighteen hours of Spanish. Cummings.

OFFICE PRACTICE

11-12. Gregg Shorthand. Eight hours credit.

31. Business English. Three hours credit.

PHYSICAL EDUCATION

77, 78, 79. Scoutcraft. (See Religious Education.) Six hours credit. Anderson.

PHYSICS

16. Descriptive Astronomy. Four hours credit. Hales.

21. Meteorology. Four hours credit. Hales.

PSYCHOLOGY

11. General Psychology. Five hours credit. Poulson.

21. Elementary Educational Psychology. Four hours credit. Dusenberry.

74. Advanced Educational Psychology. Four hours credit. Poulson. Prerequisite, three hours of Elementary Psychology.

RELIGIOUS EDUCATION

3x. Church History. Two hours credit. Wilson.

14. Genealogy. Two hours credit. Sudweeks.

19. Doctrine and Missionary Method. Two hours credit. Ivins.

20. History of Religious Propaganda. Two hours credit. Ivins.

77, 78, 79. Scout Leadership. Six hours credit. Anderson.

SOCIOLOGY

11-12 or 55-56. Elementary Principles of Sociology. Six hours credit. Nelson.

53. Rural Sociology. Three hours credit. Nelson.

SPEECH

1. Public Speaking. Three hours credit. Pardoe.

51. Advanced Public Speaking. Three hours credit. Pardoe.

72. Theory of Play Production. Three hours credit. Morley.

ZOOLOGY AND ENTOMOLOGY

20. Health Education. Three hours credit. Tanner.

32x. Apiculture. Three hours credit. Wakefield.

93. Field Zoology. Credit to be arranged. Tanner.

HIGH SCHOOL COURSES

ENGLISH

d. A Study of the Types of Literature. One unit credit. Mrs. Carroll.

GEOGRAPHY

a. Economic Geography. One unit credit. Coffman.

MATHEMATICS

a. High School Algebra. One unit credit. Jensen.

b. Plane Geometry. One unit credit. Jensen.

c. Second Course in Algebra. One unit credit. Jensen.

d. Solid Geometry. One-half unit credit. Marshall.

Training Schools

AMOS N. MERRILL, **Acting Dean of College of Education**
EDGAR M. JENSEN, **Director, Training Schools**

GENERAL SUPERVISORS:
A. N. MERRILL, **Secondary Training**
M. J. OLLORTON, **Higher Grades**
HERMESE PETERSON, **Intermediate Grades**
EMMA BROWN, **Primary Grades**

SECONDARY SCHOOL FACULTY

EDGAR M. JENSEN, **Principal**
C. LAVOIR JENSEN, **Junior H. S. Mathematics**
WM. F. HANSON, **Music**
W. ELMO COFFMAN, **Mathematics and Science**
HUGH W. PETERSON, **Science**
STELLA P. RICH, **English**
MARGARET SWENSON, **Home Economics**
GLADYS D. BLACK, **English and Latin**
BILLIE HOLLINGSHEAD, **Social Science**
FRED DIXON, **Physical Education**
EDNA SNOW, **Biology**

ELEMENTARY SCHOOL FACULTY

HERMESE PETERSON, **Principal**
MAY C. HAMMOND
BARBARA MAUGHAN
GLADYS KOTTER
GEORGIA MAESER
HAZEL CLYDE
JENNIE CAMPBELL
THELMA LUDLOW

ORGANIZATION AND PURPOSE

The Training Schools are organized on a kindergarten 6-3-3 basis; viz: a kindergarten, an elementary division, a junior and a senior high school.

Students enrolled in the training schools have all the advantages of the University plant such as the use of the libraries, gynasiums, laboratories, shops, athletic fields, auditorium, etc. These enlarged opportunities, with the advantages of expert teachers, make the training schools especially attractive and advantageous to students of elementary and high school age.

Provisions are made for promotions from grade to grade and from one division to another so that pupils may enter either the kindergarten or first grade and remain in continuous attendance until they are graduated from one of the colleges of the University. The educational welfare of the students is safeguarded by an enriched curriculum, in addition, provisions are made for moral and religious training every year the student is in attendance.

Pupils completing the first six grades are regularly promoted to the Junior High School. Here departmentalization begins permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements and towards graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

Students will be graduated from the Senior High School upon completion of twelve units of work in the Senior High School. These twelve units of work must be secured during three years attendance in Senior High School and must include all the constants prescribed for each year and the sequence of courses prescribed in one of the four curricula. Students graduating from the "General Course," which alone meets definitely the college entrance requirements, must present the following group requirements (1) English, 2 units, (2) a Principal Group of 3 or more units, (3) a Secondary Group of 2 or more units.

Students are required to take the regular courses in physical education during residence at this school. Students are released from this requirement only upon statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation; a maximum of one-half unit of credit may be counted toward graduation for these courses.

All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

HIGH SCHOOL ACTIVITIES

Under the direction of the regular teachers and the faculty committee, a full program of athletic and social affairs is provided for the junior and senior high school students.

The senior high school groups have regular social gatherings and recreational activities under faculty supervision and counsel. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a play or a musical program. The school is a member of the State High School Debating Association and the Utah High School Athletic Association. In additional to these opportunities for extra-curricular activity a regular High School Student Body organization is maintained with the various activities that naturally are sponsored by such organizations. The high school students have also the advantage of participation in the regular activities of the University student body life.

THE CURRICULA

Four curricula, or four groups of studies, are provided. As early as the ninth year and not later than the tenth year, pupils with the counsel of the parents and teachers, should make a choice of the group of studies (the curriculum) which they propose to pursue during the remaining years of high school study. This choice should be made with the definite intent of staying in that curriculum until graduation. Any marked deviation from recommended sequences in any given curriculum without very valid reasons will not be permitted. Transfer from one curriculum to another will delay graduation.

CREDIT

Those classes which require outside preparation which meet five days each week for full fifty minutes, and which continue for the full school year of 34 or 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit. The half-unit courses meet daily for half the year or two or three days each week with preparation, or meet daily with no outside preparation, and run throughout the year. There are no "quarters" in high school program as there are in the University.

Students who register late or who discontinue before the end of the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULUM

Junior High School

7th Grade

Subjects	Periods
English I	5
Geography	5
Mathematics I	5
Reading	2
Music	2
Sewing	2
Manual Training	2
Religion Class	2
Physical Education and Recreation	3

8th Grade

Subjects	Periods
English II	5
History	5
Mathematics II	5
General Science	3
Reading	2
Music	2
Cooking	2
Shop Work	2
Religion Class	2
Physical Education and Recreation	3

9th Grade

Subjects	Periods
English	5
Community Civics	3
Biology	5
Theology	2
Physical Education	3

Electives	Periods
French B	5
Plain Sewing	2

Art	..
Elementary Drafting	5
Theory of Music	3
Elementary Typing*	5
Algebra	5
Foods or Woodwork	2
Music	2

*Limited Registration.

SENIOR HIGH SCHOOL

Constants (required subjects in all Curricula. Students must register for these subjects).

10th Grade	11th Grade	12th Grade
English B— 5 periods	English C— 5 periods	English D*— 5 periods
Theology B— 2 periods	Theology C— 2 periods	Sociology and Economics— 5 periods
Physical Education	Physical Education	Theology D— 3 periods

*Elective but highly recommended.

Curriculum Group Requirements

According to the curriculum or group of studies chosen to be followed by the student, the following are required subjects for graduation:

(1)

General Course

(Leads to College Entrance)

All Constants for the particular year — 10th, 11th or 12th.

Algebra (unless taken in 9th Grade), or

Plane Geometry

(3)

Agriculture and Mechanics

All Constants for the particular year

Agriculture

Shopwork

Physics or Chemistry (preferably both)

Mechanical Drawing

American History or European History
Physics or Chemistry

(2)
Home-Making

All Constants for the particular year
Foods and Cooking
Plain Sewing
Dressmaking
Home Making
Chemistry
Art

(4) ....
Business

All Constants for the particular year
Accounting A
Accounting B
Shorthand
Typewriting
Commercial Arithmetic (if not taken in the 9th year

Note: Curricula 2, 3, 4, will satisfy all requirements for graduation from the Senior High School. They may not meet college entrance requirements; curriculum 1 meets college entrance requirements.

Electives: Courses required in any curriculum group are open as electives to all other Senior High School students who have already met the constants requirements.

A recommended sequence of subjects in the general course, or curriculum (1), is as follows:

9th Year	Periods
English A	5
Algebra	5
Biology	5
Theology A	2
Physical Ed.	3

10th Year	Periods
English B.	5
Geom. or Algebra	5
Theology B	3
Physical Ed.	3
History	5
Elective	2-5
Botany	5

11th Year	Periods
English C	5
Theology C	3
Physical Ed.	3
Physics or Geom.	5
Am. or Europ. Hist.	5
Elective	2-5
Botany	5

12 Year	Periods
English D	5
Theology D	3
Prob. Democ. or Civics	5
Physics or Chem.	5
Physical Ed.	3
Elective	3-5
Botany	5

SENIOR HIGH SCHOOL COURSES

Subject	Days	Classification	Year Taken	Credit
Grammar and Literature	5	Constant	10th	1 unit
Composition, Literature and Grammar		Constant	11th	1 unit
	5	Constant	12th	1 unit
Literature	5	Elective	10 to 12	1 unit
Dramatic Art	5	Elective	10 to 12	½ unit
Public Speaking	3	Elective	9 to 12	1 unit
French A	5	Elective	10 to 12	1 unit
Latin A	5	Gen. Course	10 to 11	1 unit
Spanish				
European History	5	Gen. Course	10 to 11	1 unit
Botany	5	Second Semester		½ unit
American History	5	Constant	12th	1 unit
Problems of Democracy	5	Gen. Course	9 to 12	1 unit
Algebra	5	Gen. Course	10 to 11	1 unit
Geometry	5	Several	10 to 12	1 unit
Physics	5	Several	12th	1 unit
Chemistry	5	Gen. Course	10 to 12	1 unit
Geography	5			
Physiology and Hygiene	3	Elective	10th	½ unit
Foods and Cooking	5	Homemaking	10 to 12	1 unit
Homemaking	2	Homemaking	11 to 12	½ unit
Plain Sewing	2	Homemaking	9 to 12	½ unit
Dressmaking	5	Homemaking	10 to 12	½ unit
Theory of Music	3	Elective	9 to 12	½ unit
Chorus	4	Elective	10 to 12	¼ unit
Orchestra	5	Elective	10 to 12	½ unit
Art	2	Elective	10 to 12	½ unit
El. Accounting	5	Business	10 to 12	1 unit
Adv. Accounting	5	Business	11 to 12	1 unit
El. Typewriting	5	Business	9 to 12	1 unit
Adv. Typewriting	5	Business	10 to 12	1 unit
Shorthand	5	Business	11 to 12	1 unit

Theology	3	Constant	10th	½ unit
Theology	3	Constant	11th	½ unit
Theology	3	Constant	12th	½ unit
Physical Ed. (Girls)		Constant	9 to 12	
Physical Ed. (Boys)		Constant	9 to 12	
Woodwork A. B.	5	Agr. & Mech.	9 to 12	½ unit
Drafting A. B.	5	Agr. & Mech.	10 to 12	½ unit
Auto Mechanics	5	Agr. & Mech.	9 to 12	½ unit

Graduates 1932-33

MASTER DEGREES

Master of Arts

BUSS, WALTER RICHARD..............................Ogden, R. D. No. 2
A. B. Degree, Brigham Young University, 1930.
Major: Geology.

DEVENPORT, KARL WILLIAM............................Rexburg, Idaho
A. B. Degree, Brigham Young University, 1929.
Major: Educational Administration.

DIMOND, HATTIE......................................Murray, R. D. No. 5
A. B. Degree, University of Utah, 1925.
Major: English.

EGGERTSEN, CLAUDE A..Price
A. B. Degree, Brigham Young University, 1930.
Major: Educational Administration.

HANSEN, BASIL C..Lehi
A. B. Degree, Brigham Young University, 1933.
Major: Music.

HODSON, WALDO..Provo
A. B. Degree, Brigham Young University, 1932.
Major: Physics.

HUISH, H. PAUL...Provo
A. B. Degree, Brigham Young University, 1932.
Major: Physics.

HUTCHINGS, IMRI JOSEPH..Sandy
A. B. Degree, Brigham Young University, 1932.
Major: Agronomy.

KIMBALL, OLIVE..Tucson, Arizona
A. B. Degree, University of Arizona, 1932.
Major: Art.

POLLY, ORVILLE...Provo
A. B. Degree, Brigham Young University, 1931.
Major: Chemistry.

SHEPPARD, GEORGE L.......................................Pima, Arizona
B. S. Degree, Brigham Young University, 1932.
Major: Physics.

SMITH, ERNEST PATTEN..................................Pleasant Grove
A. B. Degree, Brigham Young University, 1931.
Major: History.

SMITH, ERVINE F.....................Pleasant Grove
A. B. Degree, Brigham Young University, 1932.
Major: Physics.

WATSON, HENRY R.....................Ogden
A. B. Degree, Brigham Young University, 1932.
Major: Physics.

Master of Science Degrees

BIDDULPH, ORLIN....................Provo
B. S. Degree, Brigham Young University, 1929.
Major: Botany.

CLARKE, ROBERT ALMA....................American Fork
B. S. Degree, Brigham Young University, 1932.
Major: Physics.

CULLIMORE, OWEN S.....................Pleasant Grove
B. S. Degree, Brigham Young University, 1932.
Major: Chemistry.

FREI, CLARK....................Santa Clara
B. S. Degree, Brigham Young University, 1930.
Major: Educational Administration.

HUNT, SHELDON ROSS....................Salina
B. S. Degree, Utah State Agricultural College, 1927.
Major: Religious Education.

JOHNSON, VARD H.....................Pleasant Grove
B. S. Degree, Brigham Young University, 1932.
Major: Geology.

JONES, HYRUM P.....................Pleasant Grove
A. B. Degree, Brigham Young University, 1916.
Major: Religious Education.

WAKEFIELD, JOHN HOMER....................Provo
B. S. Degree, Brigham Young University, 1924.
Major: Botany.

WITTWER, REED....................Santa Clara
B. S. Degree, Brigham Young University, 1932.
Major: Educational Administration.

BACHELOR DEGREES

COLLEGE OF APPLIED SCIENCE

A. B. Degree

Sauer, Gertrude	Provo
Walker, Lorenzo	Salt Lake City

B. S. Degree

Ashworth, Elizabeth	Provo
Billings, May	Salt Lake City
Binns, Margaret E.	American Fork
Brown, Joseph L.	Grantsville
Cox, William A.	Provo
Crawford, L. Devere	Paris, Idaho
Hart, Ray G.	Salt Lake City
Hatch, Fleeta	Colonia Juarez, Mexico
Heindselman, Flo Della	Provo
Luke, Mabel	Provo
Luke, Melroy	Provo
McConkie, Wayne R.	Moab
Menzies, Charles W.	Provo
Mortenson, Eunice	Ephraim
Peterson, E. Smith	Lehi
Rasmussen, Mabel	Mt. Pleasant
Rowley, Edwardeen	Provo
Searle, Kenneth Daniel	American Fork
Taylor, Bessie	Manti
Thatcher, Howard L.	Provo

COLLEGE OF ARTS AND SCIENCES

A. B. Degree

Alleman, Ray S.	Springville
Beck, Jay Vern	American Fork
Bringhurst, Carma	Lovell, Wyoming
Britsch, Ralph A.	Manti
Bryner, A. Lloyd	Helper
Clark, Gean	Provo
Dougall, John M.	Springville
Eyring, Joseph C.	Pima, Arizona
Fletcher, Hazel	Provo
Fujiwara, Takeo	Sapporo, Japan
Haddock, Ray L.	Bloomington, Idaho
Harris, Chauncy D.	Provo
Harrison, Lorna Jensen	Provo
Hart, J. Irel	Rigby, Idaho
Hooks, Bertha	Provo

Hutchings, Theron B.	Midvale
Jones, Horace	Heber
Lewis, Fred A.	Provo
Lott, Wreal L.	Lehi
McConkie, Faun	Moab
Merrill, Harrison J.	Provo
Nelson, S. Call	Provo
Oakley, Dorothy	Provo
Ostler, Dorothy	Salt Lake City
Scott, G. Vernon	Provo
Smith, Lois	Salt Lake City
Sundwall, Anna E.	Fairview
Swenson, Louise	Provo
Taylor, Fenton Wesley	Thatcher, Arizona
Taylor, Virginia	Provo
Tietjen, Naomi	Santaquin

B. S. Degree

Andreasen, Juel LeRoy	Provo
Biddulph, Floyd	Provo
Carroll, Charles Thomas	Provo
Clark, Reed Q.	Mt. Pleasant
Crookston, Elden B.	American Fork
Decker, Lorenzo B.	Provo
Dimick, Dan R.	Nampa, Idaho
Graham, Ellis P.	Fairview
Jacob, H. Wendell	Provo
Jorgensen, Brandt D.	Salem
Smart, Max Neff	Provo
Steele, Jesse F.	Tooele
Vest, H. Grant	American Fork
Wanlass, Glen	Lehi

COLLEGE OF COMMERCE

A. B. Degree

Bunker, E. Carlyle	Provo
Chadwick, Wayne E.	American Fork
Facer, Elden J.	Pocatello, Idaho
Fitzgerald, Harold J.	Draper
Hiller, Walter W.	Provo
Horlacher, Fred C.	Ely, Nevada
Jenkins, W. Clayton	Provo
Whetten, Loren A.	Colonia Juarez, Chih., Mexico

B. S. Degree

Bailey, Harold	Provo
Bird, K. Leon	Springville
Breinholt, Harden W.	Manti
Chipman, D. LuZell	American Fork
Clark, Ward Sheaffer	Pleasant Grove
Decker, Alma V.	Snowflake, Arizona
Eggertsen, Mark D.	Provo
Fisher, J. Dean	Provo
Fox, Feramorz Wilcken	Salt Lake City
Hardy, McVal	Provo
Harmer, Louis Jesse	Mapleton
Harrison, Robert B.	Springville
Hatton, Karl W.	Kanosh
Hill, Kelsey, J.	Springville
Johnson, Kirt W.	Manti
Jones, Archie Gilbert	Provo
Jones, Lawrence	Provo
Kimball, Gardner	Kanosh
Larsen, H. Gordon	Provo
Matthews, Weldon C.	Midvale
Murdock, Stephen Royal	Provo
Olpin, Ralph S.	Pleasant Grove
Robertson, Joseph A.	Fountain Green
Roundy, Amanda Ione	Provo
Rowe, Grant Browning	Provo
Spencer, Leland	Provo
Steed, Dean Robert	Farmington
Sumsion, J. Clyde	Provo, R. D.
Vincent, Rowe H.	Provo
Wilson, J. Harold	Payson

COLLEGE OF EDUCATION

A. B. Degree

Ballif, Eva	Preston, Idaho
Clark, Owen Morrell	Farmington
Huish, Florence F.	Provo
Kerr, J. Gleason	Idaho Falls, Idaho
McBride, Karl	Pima, Arizona
McGregor, Karma	St. George
McLean, Fanny G.	Salt Lake City
Montgomery, Edna	Heber
Nelson, Eliza	Provo
Nuttall, Maurice	Overton, Nevada
Stewart, Lucille	Mt. Pleasant
Tobler, Ezra	St. George

B. S. Degree

Batchelor, Joie	Provo
Bean, Helen	Provo
Bennett, Lowell R.	Meadow
Broadbent, Leah	Heber
Coleman, Aline	Provo

Collins, Bessie	Provo
Cooper, Geo.	Panguitch
Dangerfield, Grace	Provo
Doty, George Ellis	Richmond
Douglass, Phyllis N.	Payson
Ellett, Arthur	Spanish Fork
Gardner, George Grant	Levan
Gee, Elwood A.	Provo
Gubler, Ovando	LaVerkin
Hafen, Grant	Santa Clara
Hales, Iman	Deseret
Hansen, Ray W.	Mt. Pleasant
Hartle, Lida	Vernal
Harris, Alvin	Protage
Hettig, Florence Speckart	Provo
Hone, Earl Dee	Brigham City
Jensen, Elliott E.	Manti
Johnson, Maurean M.	Mora, New Mexico
Jones, Rulon A.	Cedar City
Laker, Willard E.	Price
Leavitt, Francis H.	Bunkerville, Nevada
LeSueur, Malcolm F.	Mesa, Ariz.
McAllister, Ellis	St. George
McAllister, John S.	St. George
McOmie, Robt.	Pleasant Grove
McPherson, Margaret	Springville
Madsen, Eardley B.	Ephraim
Mallory, Gladys C.	Afton, Wyoming
Mallory, John C.	Afton, Wyoming
Manson, George W.	Provo
Menzies, Belva	Provo
Miller, Florence	Provo
Morley, Eloise Stewart	Provo
Nelson, Robert A.	Spanish Fork
Nelson, Thelma Jane	Springville
Nielson, Otis P.	Fairview
Peterson, John Lowell	Kaysville
Pierce, Cleo	Springville
Poulson, Marion W.	Provo
Robinson, Orpha	American Fork
Romney, Antone Kimball	Provo
Romney, Elwood Snow	St. George
Scott, Ida Belle	Provo
Simper, Wayne	Murray
Smart, Henriette Neff	Provo
Smith, J. Earl	Payson
Starr, Inez	Springville
Swenson, Margaret Davis	Provo
Towers, Esther V.	Eureka
Vest, William Veloy	Mona
Wentz, Myrl	Provo, R. D.
White, Florence M.	St. Anthony, Idaho

COLLEGE OF FINE ARTS

A. B. Degree

Hansen, Basil C.	Lehi
Hanson, Wilma	Spanish Fork
Ivins, Fawn	Lund, Nevada
Jackson, Vera	Provo
Jensen, Norma	Ogden
Madsen, Emily	Duchesne
Madsen, Farrell D.	Fairview
Mensel, Dorothy	Provo
Nash, Edith	Springville
Paxman, Lota	Provo
Phelps, Maxine	Mesa, Arizona
Redden, J. Mervin	Provo
Robbins, Claude	Moreland, Idaho
Romney, Leona	Chicago, Illinois
Smoot, Fern	Provo
Taylor, Ethel Rogers	Provo
Webb, Fred N.	Provo
Woodhouse, Clara	Beaver

B. S. Degree

Cornaby, Floyd V.	Benjamin
Dean, Harry A.	Provo
Hathcock, Luella Ward	Preston, Idaho
Johansen, Vernon	Mt. Pleasant
Johnson, Georgiana	Provo
Terry, Elvis B.	Ammon, Idaho
Woolston, Harold	Lehi

NORMAL DIPLOMA

Acord, Irma	Provo
Bellander, Marthella	Baker, Nevada
Bird, Helen	American Fork
Bowles, Virginia	Nephi
Clark, Mary	Brigham City
Clayson, Ann	American Fork
Davies, Afton	Provo
Frost, Melba	Coalville
Gillman, Rhea	Pleasant Grove
Gines, Erma	Roosevelt
Greenwood, Lois	American Fork
Halliday, Susie	Circleville
Hansen, Afton	Bear River City
Hansen, Esther M.	Boulder
Hansen, Norma	Vernal

Hansen, Norma D.	Spanish Fork
Hancock, May	Payson
Hanks, Edna	Salem
Harding, Ruth	Payson
Heckethorn, Pearl	Garrison
Hilton, Hope Fay	Hinckley
Holt, Bernice	Sandy, R. D.
Hoyt, Louise	Kamas
Huff, Ina	Spanish Fork
Jackson, Ellen	Provo
Jensen, Ray	Manassa, Colorado
Johnson, Marie	Provo
Jones, Merle	Overton, Nevada
Knudsen, Ruth	Provo
McDonald, Alda	Heber
Marrott, Margaret	Pleasant Grove
Nixon, Beulah	Holden
Ottosen, Helen	Nephi
Parrish, Beth	Morgan
Peacock, Morris	Orangeville
Phillips, A. LaVon	American Fork
Redd, Merene	Blanding
Rasmussen, Crystal	Ferron
Roberts, Bee	Delta
Roberts, Zoe	Delta
Sargent, Ned	Panguitch
Sherranian, Lorraine M.	Murray
Simkins, Marie	Springville
Simpson, Grace	Mt. Pleasant
Skeem, Leona I.	Oasis
Sterling, Mary Helen	Spanish Fork
Stillman, Elise	Richfield
Tervort, Wilma	Payson
Walker, Jennie	Pleasant Grove
Washburn, Emily	Draper
Whiting, Ruth	Mapleton
Wing, Arva D.	Lehi

GRADUATES WITH HIGH HONORS

Alleman, Ray
Ballif, Eva
Breinholt, Harden W.
Bringhurst, Carma
Britsch, Ralph
Coleman, Aline
Fisher, J. Dean
Harris, Chauncy D.
Johnson, Maurean M.
McConkie, Faun
Olpin, Ralph S.
Roundy, Amanda I.
Tietjen, Naomi
Whetten, Loren A.

GRADUATES WITH HONORS

Ashworth, Elizabeth
Binns, Margaret E.
Clark, Gean
Cornaby, Floyd
Facer, Elden J.
Fletcher, Hazel
Harrison, Lorna J.
Luke, Mabel M.
Smith, Lois
Tobler, Ezra
Woodhouse, Clara

Enrollment of Students

1932-33

In the following list "a" stands for arts and sciences; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "ss" for summer school; "G" for graduate; "S" for senior; "J" for junior; "So" for sophomore; "F" for freshman; "Un" for unmatriculated; and "Sp" for special.

Aagard, Burnell, c-S ....Provo
Aagard, Laurel, a-F-ss..Fountain Green
Abbott, Ernest, c-S........Provo
Acord, Irma, e-So ....Provo
Acord, L. Earl, ss-Sp-c ....Castle Gate
Adams, D. Stanley, ss........Grantsville
Adams, John H., a-F ....Provo
Adams, Leon Wm., a-F ....Monticello
Adams, Milo J., fa-F........Spanish Fork
Adams, William T., a-F ....Provo
Adamson, Zelma, c-Sp ....Provo
Agren, Eileen, ss ....Ogden
Ahern, Marion S., e-F ....Provo
Alder, Don M., c-So........Provo
Aldous, Gladys, ss ....Ogden
Aldrich, Edith M., ss ....Mt. Pleasant
Aldrich, Ray M., c-J ....Mt. Pleasant
Allan, Blaine W., ap-J ....Salem
Allan, Verna B., fa-J ....Springville
Alleman, Helen, ss ....Springville
Alleman, Jane, ss ....Springville
Alleman, Ray S., a-S-ss........Springville
Allen, C. Clinton, a-J ....Goshen
Allen, Genevieve M., e-Sp ....Provo
Allen, Florence I., a-F ....Provo
Allen, Irma C., ap-F ....Goshen
Allen, Robert K., G ....Provo
Allen, Ruth J., a- Sp ....Provo
Allred, Charles M., a-F........Grantsville
Allred, Elwood B., ss ....Escalante
Allred, David H., ap-J ....Raymond, Alberta, Canada
Allred, Fay D., ss ....Provo
Allred, Fullmer, a-F ....Lehi
Allred, Iris F., a-Sp ....Grantsville
Allred, Milan R., fa-F ....Lehi
Allred, Moreho V., ap-So ....Lehi
Allred, Ruth, fa-Sp ....Raymond, Alberta Canada
Amaru, WiPere K., a-J-ss ....Tolaga Bay, New Zealand
Anderson, Ada, G ....Provo
Anderson, Afton, e-J ....Magna
Anderson, Archibald H., ss ....Mt. Pleasant
Anderson, Bert D., c-So ....Provo
Anderson, Duane P., a-J........Gunnison
Anderson, Emma G., ss ....Am. Fork
Anderson, Frank B., ss....Rexburg, Ida.
Anderson, H. Duane, e-J ....Salina
Anderson, Hazel, fa-F ....Springville
Anderson, Helena, a-F........Fairview
Andersen, Jennie, ss ....Provo
Anderson, Kenneth G., e-S-ss ....Clear Creek
Anderson, LeGrande, G ....Huntington Park, Calif.
Anderson, Leland E., ss ....Manti
Anderson, Leta M., fa-F ....Huntington Park, Calif.
Anderson, Loren, ss ....Spanish Fork
Anderson, Paul E., c-S ....Provo
Anderson, Paul S., c-So ....Emery
Anderson, Reed G., a-J ....Idaho Falls, Idaho
Anderson, Mrs. W. K., fa-Sp ....Provo
Anderson, Verda, fa-Sp ....Lehi
Anderson, Victor C., ss ....Provo
Andreason, Juel L., a-S........Provo
Andrus, Grant M., ss........Ucon, Idaho
Arbon, J. Theodore, ss ....Snowville
Arbon, Lucretia N., ss ....Am. Fork
Armitstead, Phyllis, e-F ....Lehi
Armstrong, Harold C., a-J........Ogden
Arnold, John T., ss ....Huntington
Arnold, Judith, c-F ....Coaville
Arrowsmith, Jessie B., e-J........Provo
Ashby, George M., a-J........Leamington
Ashby, R. Morrell, a-J........Am. Fork
Ashby, Orran T., a-So........Leamington
Ashby, Wm. Cropper, a-F....Am. Fork
Ashworth, Elizabeth, ap-S........Provo
Atkin, Wesley H., e-F........St. George
Atwood, Millen, c-F........Charleston
Aycock, Thomas E., c-S ....Vernal
Aycock, Zella, e-So ....Vernal

Bahr, A. Francis, ap-F........Roosevelt
Bailey, Harold, c-S........Provo
Baird, Bertha, ss........Byron, Wyoming
Baird, Elva L., ss ....Brigham City
Baker, A. Loretta, fa-F........Beaver
Baker, Shirley D., G........Beaver
Ball, A. Elden, fa-F ....Idaho Falls, Idaho
Ball, Phyllis, e-F........Soda Spgs., Ida.
Ball, Roberta, c-F ....Lehi
Ball, Uarda, ap-J ....Idaho Falls, Idaho
Ball, Wilburn N., ap-So ....Lehi

Ballard, O. Duane, c-So ... Draper
Balle, Harry R., e-J ... Glenwood
Ballif, Ariel S., ss ... Menan, Idaho
Ballif, Carma, G-ss ... Preston, Idaho
Ballif, Eva, e-S ... Preston, Idaho
Ballif, Karl G., ap-J ... Preston, Idaho
Ballif, F. Royal, c-So ... Preston, Ida.
Banks, Elias, ap-Sp ... Provo
Banks, Karl, ss ... Pleasant Grove
Banks, Wallace, ap-F ... Lehi
Barker, Ellen, G ... North Ogden
Barlow, Francis, e-F ... Grouse Creek
Barnes, Alta L., e-f ... Wellington
Barnett, Shirley B., c-J ... Salem
Barraclough, Don A., ap-S ... Beaver
Bartholomew, Edith, ss ... Payson
Barton, Hattie R., ss ... Blanding
Barton, J. Cullen, a-F ... Beaver
Barton, Mary Ann, ss ... Elko, Nevada
Barton, Richard B., c-J ... Provo
Basinger, Kenneth, a-So ... Meade, Kan.
Basinger, Walter, G ... Missler, Kan.
Bastian, J. Rulon, ss ... Alamo, Nevada
Bastian, Weldon W., fa-F ... Vernal
Batchelor, Joie, e-S-ss ... Provo
Bateman, Harold M., fa-J ... West Jordan
Baxter, Hugh A., ss ... Springville
Bayles, Mary, ap-J ... Blanding
Bayles, Wesley L., a-J ... Blanding
Bayles, Weston L., G-ss ... Blanding
Bean, Clara B., ss ... Payson
Bean, Delbert I., a-F ... Price
Bean, Helen, e-S-ss ... Payson
Bearnson, Bertha, ss ... Spanish Fork
Beck, Jay V., a-S ... American Fork
Beck, J. Milton, a-F ... Payson
Becker, Teut, a-F ... Bend, Oregon
Beckerman, Verda S., e-So ... Las Vegas, Nevada
Beckstrom, William R., a-F ... Spanish Fork
Bee, Hazel R., a-Sp ... Provo
Bee, Laurence S., c-F ... Provo
Beelar, Lucian A., c-J ... Provo
Beelar, Virgie Ann, c-Sp ... Provo
Belarsky, Sidor, ss ... Lunngrad, Russia
Bellander, Marthella M., e-So ... So. Baker, Nevada
Belliston, Harold W., c-F ... Nephi
Belnap, Aldythe, ss ... Almo, Idaho
Bench, Leonora, ap-So ... Fairview
Bench, Rees E., G ... Provo
Beniams, Herman N., G ... Provo
Benedict, Lenora J., e-F ...
Bennett, Barta, ss ... Holden
Bennett, Erma, ss ... Provo
Bennett, Faun A., ss ... Deseret
Bennett, Leslie, ss ... Hinckley
... Las Vegas, Nevada
Bennett, Ivan O., a-F ... Meadow
Bennett, Lowell R., e-S ... Meadow
Bennett, Marie G., a-Sp ... Provo
Bennett, May, c-Sp ... Provo
Bennett, Muriel L., a-Sp ... Salt Lake City

Bennion, Deane, G ... Vernal
Bennion, Lowell S., ap-So ... Tooele
Bennion, Marinda, ap-F ... Murray
Bennion, Milton L., ss ... Sandy
Benson, Valdo D., c-So ... Whitney, Ida.
Bentley, LeRoi, ss ... Tooele
Bergeson, Clarence A., e-F ... Salt Lake City
Berry, Effie, e-So ... Phoenix, Arizona
Berry, A. Kay, a-F ... Phoenix, Arizona
Berrey, Alfonzo G., ss ... Montpelier, Idaho
Berrey, Esma, ss ... Montpelier, Idaho
Berry, Wilmont E., a-So ... Provo
Berrett, Edward H., ss ... Provo
Berg, Veva, ss ... Provo
Best, Stanley E., ss ... Sanford, Colo.
Bertotte, George, a-So ... Oakland, Calif.
Bethers, Carol, c-So ... Heber
Bethers, Hazel, e-J ... Heber
Bethers, Norma, c-F ... Heber
Biddulph, Floyd, a-S ... Provo
Biddulph, Orlin, ss ... Provo
Bigelow, Margaret, fa-Sp ... Provo
Bigelow, Percival P., ap-Sp-ss ... Provo
Bigler, Hazel A., a-Sp ... Provo
Billings, Harold P., a-F ... Duchesne
Billings, M. May, ap-J-ss ... Provo
Bingham, Elva A., fa-F ... Ogden
Bingham, James W., ss ... Montrose, Colo.
Bingham, Klara, fa-So ... Spanish Fork
Bingham, Sanford M., a-F ... Am. Fork
Bingham, Victor L., c-F ... Vernal
Binns, Ellen, ap-F ... Am. Fork
Binns, Margaret E., ap-S ... Am. Fork
Bird, Helen, e-So ... Am. Fork
Bird, Howard A., c-J ... Springville
Bird, K. Leon, c-S-ss ... Springville
Bird, Marcell W., fa-So ... Mendon
Bird, Margaret, fa-So ... Springville
Bissell, Harold J., a-J ... Springville
Bjerregaard, George W., c-So ... Provo
Black, Dixie C., fa-F ... Blanding
Black, Glen W., e-F ... Ferron
Black, Golden H., ss ... Delta
Black, Joy, e-So-ss ... Fillmore
Black, LeGrand, a-F ... Delta
Black, Mary, ap-F ... Delta
Black, Ronald, e-F ... Ferron
Black, W. Zemira, a-F ... Blanding
Blackwell, Harry, c-Sp ... Pleas. Grove
Blake, Max J., a-F ... Provo
Bleak, Grace, c-F ... Las Vegas, Nev.
Blight, Alexander, ss ... Eureka
Bloomfield, Owen F., ap-F ... Kirtland, New Mexico
Bodily, Angus S., c-Un ... Preston, Ida.
Boel, Joseph M., a-Sp ... Provo
Bone, George I., a-So ... Lehi
Bone, Orren A., a-F ... Lehi
Bonnett, Ann, e-F ... Provo
Booth, Wilson, a-So ... Provo
Bounous, Chester C., ap-J ... Provo
Bowdish, Palmer R., ss ... Provo

Bowdish, Willa A., ss ....Provo
Bowen, Allie, e-S ....Spanish Fork
Bowen, Jennie Mae, ap-F........Sp. Fork
Bowen, Wendell M., c-So ....Sp. Fork
Bower, Bernice G., c-J........Provo
Bower, Helen L., a-So ....Provo
Bown, Lynn F., a-F........Provo
Bown, Myron S., ap-F ....Provo
Bowles, Virginia, e-So ....Nephi
Boyack, Clifton D., a-So ....Delta
Boyack, Halden, a-F........Delta
Boyack, Ross D., ap-Sp. ....Sp. Fork
Boyce, Paul E., a-F ....Provo
Boyden, Bess, ap-So ....Provo
Boyd, Walter G., c-So..Oakland, Calif.
Boyer, Helen, a-Sp ....Springville
Boyer, Louise, a-Sp ....Provo
Boyer, Margaret, fa-F ....Provo
Boyle, Clarence S., ss ....Provo
Boyle, Elfie B., ss ....Provo
Boyle, Minnie W., e-Sp ....Provo
Boynton, Judd E., a-Un ....Berkeley, Calif.
Boyson, Rulon, a-J ....Raymond, Alberta, Canada
Bradshaw, Wm. Ray, c-J ....Hurricane
Brady, Ed. L., fa-J........Castle Dale
Brady, Leo J., a-F ....Manassa, Colo.
Brady, Millard F., c-So ....Manassa, Colo.
Brady, William W., ss ....Castle Dale
Braithwaite, Lola R., ss ....Arco, Idaho
Bramwell, Wendell, c-S ....Ogden
Brasher, Kirk I., ap-So ....Huntington
Braun, Gordon E., a-J ....Ogden
Breinholt, Harden W., c-S ....Manti
Breinholt, Herbert C., fa- Sp ....Provo
Breinholt, Veola, e-J ....Redmond
Brewer, Harold J., e-So ....St. Charles, Idaho
Briggs, Vella, fa-J ....Pocatello, Idaho
Bright, Lynn T., fa-J ....Lewiston
Brimhall, A. DeVoe, c-F-ss ....Provo
Brimhall, W. Smoot, ap-F........Provo
Bringhurst, Carma, a-S ....Lovell, Wy.
Brinley, Eldon, ss ....Pleasant Grove
Brinley, J. Harold, ss ....Las Vegas, Nevada
Britsch, Ralph A., a-S ....Manti
Broadbent, Charles L., c-F........Heber
Broadbent, Leah, ss-E-sp ....Heber
Broadbent, Marden, ap-J ....Heber
Broadbent, Maurice, fa-F ....Provo
Broadbent, Mary, c-So ....Heber
Broadbent, Mima, e-F ....Heber
Broadbent, Thora D., ss ....Thatcher, Arizona
Brockbank, Ila, e-S ....Provo
Brockbank, Mark J., ss........Spanish Fork
Brockbank, Starr L., a-F........Span. Fork
Brooks, Margaret, e-J ....St. George
Brooksby, Irene, ap-F ..Fredonia, Ariz.
Brossard, Gretta J., e-J ..Rigby, Idaho
Brown, Aaron G., c-F........Salt Lake City
Brown, Fay, a-Sp ....Provo
Brown, Fay, c-F ....Spanish Fork
Brown, Frank K., ss ....Salt Lake City
Brown, Howard W., c-So ....Burley, Idaho
Brown, Jack A., fa-So ....Manti
Brown, Jennie, e-J ....Parker, Idaho
Brown, Joseph L., ap-S ....Grantsville
Brown, June M., e-F........Lovell, Wy.
Brown, LaJune, ap-F ....Salt Lake City
Brown, Lawrence A., c-Un ....Provo
Brown, Martha R., ap-F........Draper
Brown, Mary, ap-J ....Grantsville
Brown, Myrlan G., c-F ....St. Johns, Arizona
Brown, Newel K., c-F ....Burley, Idaho
Brown, Ralph Wm., e-S ....Grantsville
Brown, Roy J., a-So ....Pleasant Grove
Brown, Zelma Driggs, a-So........Pleasant Grove
Brown, Zina Lou, a-F........Salt Lake City
Brown, Zola G., ap-F........Salt Lake City
Bruce, Winona M., e-F ....Smoot, Wy.
Brugger, Gwen, ap-J ....Venice
Brunt, A. William, c-J ....Idaho Falls, Idaho
Brunt, Clarice, ap-J ....Idaho Falls, Idaho
Brunt, Lavon, fa-F ....Idaho Falls, Idaho
Brunt, Paul S., c-Un ....Idaho Falls, Idaho
Bryner, A. Lloyd, a-S ....Helper
Bryner, Louis P., a-F ....Helper
Buckley, John, fa-Sp ....Provo
Buckley, Margaret, c-Sp ....Provo
Buckwalter, LuRae, fa-So ....Am. Fork
Bullock, J. Orval, ap-F ....Pleas. Grove
Bunderson, Grant V., ap-F........Mayfield
Bunderson, Joseph, ss ....Emery
Bunderson, Leila V., e-J ....Emery
Bunker, E. Carlyle, c-S ....Provo
Bunnell, Elvin, a-J ....Provo
Bunnell, Morris, e-J ....Spring City
Bunnell, S. Reese, e-J ....Spring City
Bunten, Ernest S., a-F ....Am. Fork
Bunten, Glenn, a-So ....Am. Fork
Burch, Bessie B., a-J........Pleasant Grove
Burton, Blanche, c-Sp ....Nephi
Burton, Jack E., ap-F ....Provo
Buss, Walter R., G........Ogden
Butler, Hyrum A., fa-Un ....Oakley, Idaho
Butt, Ethel C., G ....Provo
Buttle, Grant B., c-S ....Provo

Calder, Helen, ap-So ....Vernal
Calder, Neldon H., a-F ....Vernal
Caldwell, Alfred, a-F ....Vernal
Call, Helena, ap-J ....Pocatello, Idaho
Call, Lorna, ss ....Colonia Dublan, Chih., Mexico
Call, Tracey G., a-F........Afton, Wyoming
Call, Verna, ap-Sp ....Provo
Call, Wm. Vivian, a-F ....Bountiful
Callahan, W. Guy, a-So ....Provo

Calder, Ruth, e-F .... Vernal
Cameron, David, a-Un .... Panguitch
Campbell, Henry A., c-F .... Provo
Campbell, Jennie, ss .... Provo
Campbell, Marian, ap-Un .... Provo
Campbell, Orson D., ss .... Provo
Campbell, Roald F., ss .... Moore, Idaho
Candland, Willis E., a-S .... Provo
Cannon, Anthon S., ss .... Farmington
Cannon, Edith, ap-F .... Bountiful
Cannon, Flora M., ss .... Grantsville
Cannon, Hugh S., c-F .... Farmington
Cannon, Kenneth L., ap-So .... Salt Lake City
Card, Brigham Y., c-So .... Cardston, Alberta, Canada
Cardall, Hannah J., ss .... Provo
Carey, Richard W., fa-F .... Provo
Carling, J. Junius, c-So .... Fillmore
Carr, William C., e-J .... Auckland, New Zealand
Carrigan, James Wm., a-J .... Peterson
Carroll, Charles T., a-S .... Provo
Carson, Max, e-F .... Salem
Carter, Allen J., a-J .... Helper
Cartwright, Alfred, ap-So .... Beaver
Cartwright, Aubra, e-J .... Beaver
Casto, James F., a-F .... Koosharem
Chadwick, Effie M., G-ss .... Yost
Chadwick, Rae, ss .... Liberty
Chadwick, Vera E., ss .... Liberty
Chadwick, Wayne E., c-S .... Am. Fork
Chambers, Lee H., a-J .... Spanish Fork
Chapple, Virginia, a-So .... Spanish Fork
Chatwin, Gilbert, c-F .... Salt Lake City
Chauncey, H. Childs, ss .... Springville
Checketts, Norine, e-F .... Bear River City
Cherrington, Elsie, e-J .... Oakland, Calif.
Childs, Myrtle, ss .... Springville
Chipman, Louise D., c-F .... Am. Fork
Chipman, D. LuZell, c-S .... Am. Fork
Chipman, Ora H., ss .... Am. Fork
Choules, Donald, c-F .... Provo
Christensen, Arla Dean, ss .... Hinckley
Christensen, Arlo L., c-Un .... Richfield
Christensen, Cleopha E., ss .... Moroni
Christensen, Eva, a-F .... Provo
Christensen, Golda A., e-F .... Manassa, Colo.
Christensen, Helen, ap-J .... Provo
Christensen, Ida B., ss .... Richfield
Christensen, Ione, e-J .... Redmond
Christensen, Owen J., a-F .... Fillmore
Christensen, Phil, fa-So .... Provo
Christensen, Ruby, e-F .... Lehi
Christensen, Ruth, fa-Sp .... Provo
Christensen, Zella M., ap-Sp .... Provo
Christiansen, Louise, ap-F .... Pleasant Grove
Christiansen, Waid S., ap-Un .... Richfield
Christopherson, W. Lynn, a-F .... Spanish Fork
Clark, Adelia M., ss .... Idaho Falls, Ida.
Clark, Allie W., ss .... Provo
Clark, Arvilla, ss .... Pleasant Grove
Clarke, Bertha E., e-So .... Am. Fork
Clark, Boyce R., a-F .... Morgan
Clark, Cecile, ap-Un-ss .... Provo
Clark ,Ernest, ss .... Afton, Wyoming
Clark, Gean, a-S .... Provo
Clark, James R., e-F .... Grantsville
Clark, John Wm., ap-F .... Lehi
Clark, J. Kyle, a-J .... Provo
Clark, Lucius, ss .... Idaho Falls, Ida.
Clark, Mable H., c-Sp .... Provo
Clark, Mary, e-So .... Brigham
Clark, O. Morrell, e-S .... Farmington
Clark, Reed Q., ss-Sp .... Mt. Pleasant
Clark, Riley G., a-J-ss .... Provo
Clark, Sibyl, e-F .... Bountiful
Clark, Walter J., a-F .... Berkeley, Calif.
Clark, Ward S., c-S-ss .... Pleas. Grove
Clark, Ruth, ss .... Provo
Clarke, Thomas P., a-J-ss .... Tolga Bay, New Zealand
Clarke, Robert A., G .... Am. Fork
Clawson, FaNon, ap-F .... Spring City
Clayson, Ann, e-So .... Am. Fork
Clayson, Inez, c-F .... Payson
Clayson, Merrill D., ss .... Am. Fork
Clinger, Morris M., G .... Provo
Cloward, Cora, ss .... Spanish Fork
Cluff, Edna, a-Sp .... Provo
Coburn, Oscar V., ss .... Ogden
Coe, Sterling D., a-F .... Provo
Coffin, Carma, ap-F .... St. Anthony, Idaho
Coffman, W. Elmo, ss .... Springville
Colby, Donald B., fa-So .... Salina
Cole, Eva C., ap-F .... Arimo, Idaho
Coleman, Aline, e-S-ss .... Provo
Collett, Farrell R., G .... Idaho Falls, Idaho
Collier, Vernon, a-Un .... Vernal
Collins, Bessie M., ss .... Provo
Collins, Don, a-F .... Provo
Collins, Lucile, fa-Sp .... Provo
Colvin, Harold A., G .... Provo
Comish, Alison, e-J .... Eugene, Oregon
Conder, Vera H., e-J .... Provo
Condie, LeRoy, ss .... St. George
Condie, Vernon C., ap-J .... Springville
Condon, Cyril L., fa-Sp .... Provo
Condon, David deLancey, G .... Provo
Conover, S. Elizabeth, ap-J .... Provo
Conover, W. Harrison, c-J .... Provo
Cook, Helen, fa-J .... Paris, Idaho
Cook, Zelpha, ap-F .... Vernal
Coombs, Dora, e-So-ss .... Fairview
Coombs, Ellis D., ss .... Fairview
Coombs, H. Ross, ss .... Fountain Green
Coombs, Leslie, a-F .... Fairview
Coombs, Retta, e-J .... Cardston, Alberta, Canada
Cooper, George N., e-S .... Panguitch
Cooper, Virginia, e-F .... Vernal
Cooper, Zelma, ss .... Overton, Nevada

Cornaby, Floyd V., fa-S-ss ....Benjamin
Cottam, Earl B., ap-J ....Provo
Cottam, Howard R., G ....Provo
Cottam, Rulon V., e-J ....St. George
Cowan, Ada L., c-F ....Provo
Cowan, Alex S., c-F ....Nephi
Cowan, Reed F., c-So ....Payson
Cowley, Edwin J.. c-J ....Provo
Cowley, Virgia M., e-So ....Provo
Cowley, Wayne A., G ....Venice
Cox, Dawna Lynne, fa-F ....Soda Springs, Idaho
Cox, Ruby, e-F ....Provo
Cox, William A., ap-S-ss ....Provo
Crabb, R. LaPrele, ss ....Centerfield
Cragun, Oralie K., G ....Smithfield
Crandall, Anna, c-So ....Springville
Crandall, Bliss H., ap-F....Springville
Crane, James R., a-So ....Herriman
Crane, Ruth L., a-F....Provo
Crawford, L. DeVere, ap-S ....Paris, Idaho
Crawley, Margaret, c-Sp ....Provo
Creer, Thomas D., ss ....Salt Lake City
Creer, William E., ap-J....Spanish Fork
Croft, Claude F., ss ....Murray
Croft, Merrill W., a-F ....Provo
Crookston, Earl, a-So ....Am. Fork
Crookston, B. Elden, a-S....Am. Fork
Cropper, Ladd, fa-F ....Delta
Cropper, Sebrina, fa-F ....Delta
Cropper, Wayne, e-So ....Deseret
Cruser, Charles M., ss ....St. Anthony, Idaho
Cullimore, Bernece, e-J ....Pleas. Grove
Cullimore, Odessa A., a-Sp-ss ....Provo
Cullimore, Owen S., G ....Pleas. Grove
Culmsee, Carlton F., G ....Provo
Culmsee, Edna Ball, G ....Provo
Cummard, Mabel, ss ....Mesa, Arizona
Cummings, Lettie R., fa-Sp ....Provo
Curtis, Lavaun B., G ....Lowell, Ariz.
Cutler, Betty, ap-J ....Salt Lake City
Cutler, Carlos P., a-F ....Lovell, Wy.

Dahl, Harvey A., ap-F....West Jordan
Dahlquist, Mary M., a-So....Provo
Dalley, Leah, ap-So ....Kanab
Dame, Bonnie, c-F ....Fillmore
Dangerfield, M. Grace, e-S ....Provo
Daniels, Cleon P., ss ....Logan
Danielsen, Marie, ss ....Ogden
Dastrup, Melba, G-ss ....Provo
Davidson, Davida, ss....Fountain Green
Davies, Afton E., e-So ....Provo
Davies, Edward E., ap-J ....Provo
Davies, Jack T., c-F ....Provo
Davis, Ariel R., a-So ....Provo
Davis, Donald D., G ....Spanish Fork
Davis, Owen M., G ....Provo
Davis, Peggy Ann, ss ....Malad, Idaho
Davis, Ross B., a-F....Spanish Fork
Dayton, Norvel, a-F ....Provo
Dean, Ernest H., ap-F ....Am. Fork
Dean, Harry A., fa-J-ss ....Rexburg, Idaho
Dean, John O., ap-J ....Am. Fork
DeBry, James, ss ....Preston, Idaho
Decker, Alma V., c-S ....Provo
Decker, Glenaveve, a-F ....Snowflake, Arizona
Decker, Lorenzo B., G-ss....Provo
Dehmel, Ruth, ss ....Salt Lake City
DeLange, Talmage Y., c-J..Koosharem
Dennis, John D., a-F....Provo
Despain, Bert E., e-So....Lovell, Wyo.
Despain, Dale I., a-F....Lovell, Wyo.
Devenport, Hester W., ss....Rexburg, Idaho
Devenport, Karl W., ss-Sp....Rexburg, Idaho
Dewsnup, Winona, e-So....Deseret
Dickson, Beth, c-Un....Provo
Dickson, Ned B., ap-F....Cowley, Wyo.
Dimick, Cecil, I., ap-F....Mohrland
Dimick, Dan R., a-S....Nampa, Idaho
Dimmick, Aral M., ap-Sp....Provo
Dimond, Hattie, G ....Murray
Dives, Alice, e-F ....Malad, Idaho
Dix, DeVaun, c-So ....Provo
Dixon, Harry A., c-So ....Provo
Dixon, Howard B., a-F ....Provo
Dixon, Jean, ap-F ....Payson
Dixon, Maurine, ap-So ....Provo
Dixon, Mildred, c-J ....Provo
Dixon, Ralph, a-Sp ....Provo
Dixon, Ronald, c-Sp....Provo
Dixon, Ruby J., a-Sp ....Provo
Dixon, VaLera, ss. ....Provo
Dixon, Verl G., G ....Provo
Domina, John C., a-So....Aberdeen, Idaho
Done, G. Byron, ss ....Blackfoot, Idaho
Done, W. Edwin, a-So ..Salt Lake City
Done, Otto, a-F ....Tucson, Arizona
Dorrity, Bernice, ss ....Kanosh
Dotson, Edme H., ss ....Coalville
Doty, G. Ellis, G-ss ....Richmond
Dougall, John Mac, a-S ....Springville
Douglass, Phyllis, e-S ....Payson
Draper, Edna E., c-Sp ....Provo
Dredge, Nathan E., a-Un ....Malad, Idaho
Drysdale, Faye E., a-Sp ....Provo
Drysdale, King B., c-F ....Pleasant Grove
Dudley, Lucy, c-F ....Jensen
Dudley, Lyndon L., e-So ....Spanish Fork
Duke, Lela M., e-So ....Provo
Duke, Morris E., a-F ....Provo
Duke, Violet, ss ....Provo
Duncan, Besse, c-Sp ....Provo
Durrant, Rubye Mae, ap-J ....Provo

Earl, A. LaVon, a-So ....Am. Fork
Eastmond, Elbert H., ss ....Provo
Eastmond, Thomas H., a-F ....Provo
Eberhard, Ernest J., a-So....Melba, Ida.

Edler, Jennie M., ss ....Provo
Edmunds, Olive, fa-J ......Chicago, Ill
Edwards, Alma F., e-F ....Beaver
Edwards, Clara, ap-So .....Charlestown
Egbert, Anna R., G ....Lewiston
Eggertsen, Armand D., e-J ....Provo
Eggertsen, Claude A., ss-Sp........Price
Eggertsen, Mark D., c-S ....Provo
Eggertsen, Nita W., ss ....Provo
Eggertsen, Virginia, a-J ...Springville
Ekins, Virginia, ap-So ....Provo
Ellett, Arthur O., ss-Sp......Springville
Ellett, Neta, e-So ....Bicknell
Ellett, Robert I., ap-F.........Springville
Elliott, Don C., fa-So ....Provo
Elliott, Nell, c-Sp ....Provo
Elliott, Ralph C., ap-Sp ....Provo
Elliott, M. Vilate, ap-S-ss ....Provo
Ellis, Helen, ap-J ....Wellington
Ellsworth, Edna, a-F....Lewisville, Ida.
Ellsworth, Marjorie, ap-J ....Lewisville, Idaho
Empey, Waneta, fa-F ....Price
Ensign, George C., ss ....Ogden
Ercanbrack, LaMar R., ap-So ....Provo
Erickson, A. Leroy, ss ....Salem
Evans, Bud D., a-So ....Spanish Fork
Evans, Edmund E., G ....Payson
Evans, Fay L, c-So ....Lehi
Evans, Wm. Ferd, e-J ....Lehi
Evans, Howard C., c-So ....Lehi
Evans, Jayne Anne, fa-J ....Span. Fork
Evans, Laura, e-F ....Preston, Idaho
Evans, Leon B., c-F ....Malad, Idaho
Evans, Neldon S., ap-J ....Lehi
Evans, Oakley S., c-So ....Anaconda, Montana
Evans, Orville L., c-F ....Lake Shore
Evans, Ruth, c-F ....Raymond, Idaho
Evans, Thelda, a-F ....Lehi
Evans, M. Wesley, G .....Malad, Idaho
Eyee, Floyd G., ss ....Ogden
Eyre, Preston E., e-F ....Lyman, Wyo.
Eyring, Fern C., a-Sp ....Provo
Eyring, Joe C., a-S-ss ....Pima, Ariz.
Eyring, Ross, ss ....Pima, Ariz.
Facer, Elden J., a-S....Pocatello, Idaho
Fahring, Ray L., c-So ....Helper
Fairbanks, Lois, ss ....Salt Lake City
Fairbanks, Thera, ss .....Salt Lake City
Falkner, Ione, fa-F ....Provo
Farley, M. Lucille, c-Sp ....Provo
Farnsworth, Arvilla A., ss ....Salt Lake City
Farnsworth, Delin, fa-J-ss ....Salt Lake City
Farnsworth, Hatch, a-F ....Provo
Farr, Gwenevere, ss ....Pleasant Grove
Farrar, Helen A., fa-F ....Sandy
Faucette, Reese E., a-F ....Sanford, Colo.
Faux, Ferry J., ss ....Spanish Fork
Favero, Dewey, e-So ....Hooper
Fechser, Clyde I., ss ....Provo
Feland, Dorothy K., ss ....Payson

Ferguson, Max B., ss ....Spanish Fork
Fife, Lucille E., c-F ....Sparks, Nevada
Fillmore, Belle, e-So ....Richfield
Finlayson, Earl T., ap-F ....Provo
Finch, Henry, c-So ....Spanish Fork
Finlayson, Lela, e-F ....Provo
Firmage, Doris, e-J ....Spanish Fork
Firmage, Edwin R., c-F ....Provo
Fisher, Asael H., a-Sp-ss...............Provo
Fisher, J. Dean, c-S-ss ....Provo
Fisher, Flora D., fa-Sp ....Provo
Fisher, M. Jane, ss ....Bountiful
Fisher, Jesse M., c-F ....Salt Lake City
Fitzgerald, Harold J., c-S ....Draper
Fletcher, Hazel, a-S ....Provo
Formwalt, Herbert C., e-F........................Tuscumbia, Alabama
Forsyth, Harry H., e-Sp ....Provo
Forsyth, F. Howard, e-J..........Hill Spring, Alberta, Canada
Forsyth, Lucy, fa-F ....Hill Spring, Alberta, Canada
Forsyth, Saxon, e-Sp ....Provo
Foster, A. Forbes, c-F............Am. Fork
Foster, Francis, c-So.............Am. Fork
Foster, Landy M., ss ....Spanish Fork
Fotland, Clara, e-Sp ....Provo
Foutz, Edwin L., c-F ....Fruitland, New Mexico
Fowers, VerDean, ap-So ....Hooper
Fox, Feramorz W., c-S........................Salt Lake City
Francom, Max E., a-F ....Provo
Frandsen, Calvin, e-F ....Redmond
Frandsen, Ernest, ss ....Redmond
Frandsen, Victor, ss .....Spanish Fork
Frei, Clark, G-ss ....Santa Clara
Frei, Nina N., c-Sp ....Santa Clara
Friel, Gloria, fa-F ....Springville
Frisby, J. Donald, a-F.....................Provo
Frost, Clyde, a-J ....Coalville
Frost, Leland T., e-J ....Ephraim
Frost, Melba, e-So ....Coaville
Fugal, Aris, e-F ....Pleasant Grove
Fugal, Genevieve, e-J ..Pleasant Grove
Fugal, Neil Y., a-So ....Pleasant Grove
Fujiwara, Takeo, a-S ....Sapporo, Japan
Fullmer, Bert L., ap-F ....Spanish Fork
Funk, A. Izetta, e-S ....Provo
Funk, Marcus C., e-F ....Richmond

Gamett, LaVell C., ap-J ....Pleasant Grove
Gammon, Velda, a-Sp ....Provo
Gardner, Clark A., ss ....Sandy
Gardner, Edward R., ss ....Am. Fork
Gardner, Frances, fa-So.................Sandy
Gardner, Geo. Grant, e-Sp.........Levan
Gardner, Owen I., c-F ....Salem
Gardner, Reid B., a-F ....Spanish Fork
Gardner, Wallace H., c-F........................Spanish Fork
Garrett, James L., ss ....Nephi
Garrett, J. Oscar, ss ....Provo
Garrett, Ralph, c-F ....Nephi

Garrett, Rex, c-So .... Nephi
Geary, Charles C., ss .... Morgan
Geary, Elmo G., fa-So .... Huntington
Gee, Elwood A., e-S-ss .... Provo
Gee, Zenna, c-F .... Burley, Idaho
George, LaRue, ss .... Kanosh
Geslison, Byron T., a-F .... Span. Fork
Gibb, Jack R., e-F .... Portland, Oregon
Gibbons, Leona, a-So .... St. Johns, Arizona
Gibbons, Robert G., ss .... Logan
Gibson, Louisa, ap-F .... Rock Springs, Wyo.
Gibson, R. Owen, a-F .... St. Thomas, Nevada
Giddings, Ruthe, a-F .... Am. Fork
Gilchrist, Ruth, a-F .... Provo
Giles, Edna N., ap-So .... Provo
Giles, Fred N., a-F .... Provo
Gillespie, George S., a-So .... Tooele
Gillman, Rhea, e-So .... Pleasant Grove
Gines, Erma, e-So-ss .... Roosevelt
Gines, Ned L., fa-F .... Provo
Glover, Edna M., e-F .... Sandy
Glover, Wallace J., ap-F .... Lehi
Goe, Byron H., c-So .... Jackson, Wyo.
Goetzman, Gene E., ap-F .... Price
Gordon, Glen H., c-Sp .... Am. Fork
Gourley, David, ss .... Pleasant Grove
Gourley, George A., e-F .... Pleas. Grove
Graff, Arvilla, ss .... Santa Clara
Graff, Clara, ss .... Santa Clara
Graff, Sylvan, e-J .... Santa Clara
Graham, Ellis R., a-S .... Fairview
Graham, Verna, ss .... Fairview
Grant, Dorothy R., e-F .... Am. Fork
Grant, Virginia, ss .... Salt Lake City
Green, Evan Wm., fa-F .... Wellsville
Green, Leola, c-F .... Boise, Idaho
Green, Maud, e-F .... Boise, Idaho
Greenwood, Lois, e-So .... Am. Fork
Greer, Faun M., ap-So-ss .... Provo
Greer, Grant, ss .... Wallsburg
Grimes, Jesse Wm., fa-F .. Lyons, Kans.
Grimmett, Arch, ss .... Menan, Idaho
Groberg, LeRoy B., ss .... Bicknell
Groberg, Nellie L., ss .... Rigby, Idaho
Groesbeck, Lue S., e-F .... Am. Fork
Grotegut, Arthur, ss .... Spanish Fork
Grotegut, LaMar, e-J .... Spanish Fork
Grow, D. Spencer, c-S .... Cardston, Alberta, Canada
Grow, Stewart L., c-J .... Cardston, Alberta, Canada
Gubler, Ovando, e-S .... LaVerkin
Gudmundson, Farrell R., c-J .... Springville
Gudmundson, J. Keith, c-F .... Springville
Gunn, Edith Ann, e-So .... Richfield
Gunn, Stanley R., ss .... Beaver
Gunther, Eva, ss .... Lehi
Gunther, Marcille, a-So .... Lehi
Guptill, Marion S., e-F .... Smithfield
Guymon, Lafayette C., a-Un .... Provo
Haddock, Max T., a-F .... Bloomington Idaho
Haddock, Paul J., e-So .... Bloomington Idaho
Haddock, Ray L., a-S .... Bloomington Idaho
Hafen, Faye, fa-Sp .... Provo
Hafen, Grant, e-S .... Santa Clara
Hales, Belle W., ss .... Provo
Hales, Dona L., ss .... Spanish Fork
Hales, Iman, e-S .... Deseret
Hall, Myrl, c-F .... Spanish Fork
Hall, W. Laverl, c-So .... Edgar, Ariz.
Halladay, W. Meeks, fa-J .... Circleville
Halladay, Susie L., e-So .... Circleville
Halliday, Margaret, c-F .. Shelley, Ida.
Halliday, Naomi, a-So .... Am. Fork
Hamblin, Edwin W., a-F .... Millburne, Wyoming
Hammond, May C., e-Sp-ss .... Provo
Hammond, Merrill C., a-J .... Provo
Hammond, Roy B., a-F .... Provo
Hancock, Mae, e-So .... Payson
Hancock, Velmore C., ap-Sp .. Mendon
Hand, Lorus, ss .... Salt Lake City
Handley, Harold Wm., ss .... Sandy
Hanks, C. Lynn, e-Sp .... Salem
Hanks, Edna, e-So .... Salem
Hanks, E. Wayne, ap-So .... Tooele
Hannig, Hazel E., ap-F .... Moapa, Nevada
Hansen, Afton A., ss .... Provo
Hanson, Afton M., e-So .... Bear River City
Hansen, Basil C., G-ss .... Lehi
Hansen, Caroline A., a-J .... Provo
Hansen, Christella, e-F .... Boulder
Hansen, Elfie M., e-F .... Lehi
Hanson, Elma, fa-F .... Provo
Hansen, Esther M., e-So .... Boulder
Hansen, Eva M., ss .... Chilly, Idaho
Hansen, Floy, e-J .... Richfield
Hansen, Glenn W., a-So .... Richfield
Hansen, John F., a-Un .... Spanish Fork
Hansen, Keith S., ap-F .... Fairview
Hanson, LaPrele, ss .... Provo
Hanson, Lester, a-Sp .... Provo
Hanson, Neva, fa-F .... Provo
Hansen, Norma Dean, e-So .... Spanish Fork
Hansen, Norma, e-So .... Vernal
Hansen, Phil, a-So .... Richfield
Hansen, Ray Wm., ss .... Mt. Pleasant
Hansen, Robert E., c-F .... Provo
Hansen, Robert G., c-So .... Provo
Hansen, Velda, ss .... Payson
Hansen, Vernon L., ss .... Tremonton
Hanson, Wilma, fa-S .... Spanish Fork
Hanson, Zula, a-So .... Bear River City
Hapi, Joseph T., a-J-ss .... Nuhaka H. B., New Zealand
Harding, Elden A., e-So .... Provo
Harding, Ruth, e-So .... Payson
Hardy, Elmo, a-F .... Spanish Fork
Hardy, McVal, c-S .... Provo
Hardy, Norwood, c-F .... Vernal

Harkness, Harold T., c-F ......Magna
Harkness, Wallace, ap-F ......Magna
Harman, Lucille E., fa-So ......Am. Fork
Harmer, Floss, ss ......Springville
Harmer, Louis J., c-S ......Mapleton
Harper, Florence, ss ......Pleasant Grove
Harris, Alvin, ss-e-Sp......Portage
Harris, Arlene, G ......Provo
Harper, Laurel, ap-F ......Sacramento, Calif.
Harris, Carl J., G ......Provo
Harris, Chauncy D., a-S-ss ......Provo
Harris, Edward D., ss ......Delta
Harris, Elna M., a-J......Ogden
Harris, Estelle S., a-Sp-ss ......Provo
Harris, Madge, ap-So-ss ......Payson
Harris, Maureen E., c-F......Boise, Idaho
Harris, Robert F., a-F ......Vancouver, B. C., Canada
Harris, Wayne, e-J ......Portage
Harrison, Brigham H., e-Un ......Manassa, Colo.
Harrison, Edith, fa-So ......Provo
Harrison, LaPrele, ss ..Manassa, Colo.
Harrison, Lorna J., a-S ......Provo
Harrison, Madelyn, a-J ......Springville
Harrison, Maurice, e-F ......Provo
Harrison, Robert B., c-S ......Springville
Harrison, Walter F., ss ......Heber
Harrison, Willie C., a-F ......Springville
Harston, Clarence B., ap-F ......Cowley, Wyoming
Hart, Cecil E., ss ......Rigby, Idaho
Hart, Clarice H., ap-Sp ......Provo
Hart, J. Irel, ss ......Rigby, Idaho
Hart, R. Kay, c-So ......Salt Lake City
Hart, Ray G., ap-S ......Salt Lake City
Hartle, Lida, e-Sp......Vernal
Harward, Lenard, ap-J ......Springville
Hasler, J. William, as-So ......Provo
Hatch, Wm. Bradford, a-F ......Spanish Fork
Hatch, Corwin L., c-J ......Vernal
Hatch, Fleeta, ap-S ......Colonia Juarez, Chih., Mexico
Hatch, Harmon R., fa-So ......Span. Fork
Hatch, Keith R., ap-F ......Spanish Fork
Hatch, Leonard R., c-Un ......Salem
Hathcock, Luella W., fa-Sp......Preston, Idaho
Hatton, Karl W., c-S ......Kanosh
Hawkes, F. Pratt, ap-S......Preston, Ida.
Haws, Bill, a-So ......Provo
Haws, Lois, e-F ......Provo
Hayes, Sheldon, P., a-J-ss ......Provo
Haymond, Paul M., a-So ......Springville
Haynie, Irene, ap-J ......Salt Lake City
Hayward, Elizabeth C., G ......Provo
Hayward, C. Lynn, G-ss ......Provo
Heath, J. LeRoy, e-F ......Redmond
Heckethorn, Pearl G., e-So......Garrison
Hedquist, June, ss ......Provo
Heindselman, Flo D., ap-S ......Provo
Henderson, Myrtle W., ap-Sp ......Provo
Hendricks, James L., a-F ......Richmond
Henry, Ruth M., c-J ......Rigby, Idaho
Herbert, Algie M., fa-Sp ......Provo
Herbert, Woodrow C., a-So ......Salina
Heslington, Melbourne W., ss ...... Adamsville
Hess, Guinevere, e-J ......Ogden
Hetrick, Helen L., fa-F ..Dayton, Ohio
Hettig, Florence S., e-S ......Provo
Hettig, Tubou M., G ...... Nukualofa, Tonga
Hiatt, Mertie H., fa-Sp ......Provo
Hibbert, Buyrle, ss ......Provo
Hicken, Elijah M., ss ......Richmond
Hicks, Hazel G., c-F ......Provo
Hickman, L. Ione, ap-F ......Garfield
Hill, Kelsey J., c-S ......Springville
Hill, Lulu F., ss ......Fruita, Colo.
Hill, William K., a-F ......Sunnyside
Hiller, Rudolph Wm., ap-Sp ......Provo
Hiller, Walter W., c-S ......Provo
Hilton, Helen, a-F ......Hinckley
Hilton, Hope F., e-So ......Hinckley
Hilton, Virgil T., c-J ......Delta
Hinckley, Rulon T., ss ......Hinckley
Hodson, Afton, c-F ......Provo
Hodson, Marva, ss ......Provo
Hodson, Rosemary, fa-F ......Provo
Hodson, Waldo G., G ......Provo
Hoffman, Ida J., c-F ......Springville
Hogan, Eva, a-Sp ......Eureka
Holbrook, Elizabeth, fa-F ......Provo
Holdaway, Alene, a-J ......Provo
Holindrake, George M., a-F ......American Fork
Holindrake, Vernon E., ap-So ......American Fork
Holley, Uda R., ap-So ......Mapleton
Holley, Wayne D., fa-F ......Mapleton
Hollingshead, Billie, ss ......Koosharem
Holt, L. Bernice, e-So ......Sandy
Holt, Paul M., G ......Provo
Holton, Rosetta F., ss ......Meeker, Colo.
Holyoak, Francis J., e-J......Burley, Ida.
Hone, Earl D., e-S ......Brigham
Hooks, Bertha, a-S-ss ......Provo
Hooks, James A., ap-Sp ......Provo
Hopkins, Mary L., e-F ......Garland, Wyoming
Hopkins, Royal L., a-Sp ......Provo
Horlacher, Fred C., c-S......Ely, Nev.
Hougaard, Georgia, ap-J ......Manti
Hougaard, Virginia, ap-J ......Manti
Housley, Mildred, e-J ......St. Anthony, Idaho
Houston, Alice, e-F ......Lovell, Wyo.
Howe, William S., a-F ......Provo
Hoyt, Louise, ss-e-Sp......Kamas
Hoyt, Maxine, a-So-ss ......Kamas
Huckins, Alice E., ap-F ......Provo
Huff, Ina, e-So ......Spanish Fork
Huffaker, M. Earl, ap-So ......Murray
Huffaker, Ruth E., e-So ......Murray
Hughes, Anna, ss ......Spanish Fork
Hughes, John M., a-J ......Provo
Hughes, Preston G., a-So-ss ...... Spanish Fork

Huish, Daryl E., a-So ....Provo
Huish, Elizabeth, ss ....Payson
Huish, Florence F., e-S-ss ....Provo
Huish, H. Paul, G ....Provo
Huff, Mrs. Mary P., ss ....Provo
Hundley, A. Lucile, c-F ....Provo
Hunn, Dorothy, c-So ....Provo
Hunt, Ester J., ss........Panguitch
Hunt, Josephine, ss ....Upalco
Hunt, Sheldon R., ss-Sp ....Salina
Hunter, James R., c-J ....Ogden
Hunter, Jessie, c-F ....Alpine
Huntsman, Alonzo, ss ....Fillmore
Huntsman, Blaine, c-J ....Fillmore
Huntsman, Merodean, c-F ....Fillmore
Huntington, Mae, ss ....Springville
Hurd, Ada, ss ....Auburn, Wyoming
Hurst, Henry, a-F........Blanding
Hutchings, Beth, ss ....Am. Fork
Hutchings, Imri J., G ....Midvale
Hutchings, Loman F., a-J ..Springville
Hutchings, Rowena, e-J ....Springville
Hutchings, Theron B., a-S ....Midvale
Hutchinson, L. Grant, c-So ss ....Salt Lake City
Hutchinson, J. Marvell, c-So-ss........Salt Lake City
Ingersoll, M. Leigh, ap-So....Am. Fork
Ingersol, Rex M., ap-So-ss ....American Fork
Ipson, Alice, ap-J ....Panguitch
Ipson, Nello P., c-J ....Panguitch
Ireland, Levell, e-J ......New Harmony
Irwin, George W., a-F ....Raymond, Washington
Isgren, Marjorie, e-F ....Tooele
Isgren, Mona, e-F ....Tooele
Israelson, Stella, ss ....Monroe
Israelson, Vernon L., ss ....Monroe
Ivins, Bertha H., a-Sp-ss ....Provo
Ivins, Fawn, fa-S ....Lund, Nevada
Jackson, Ellen, e-So ....Provo
Jackson, Elvon G., c-F ....Provo
Jackson, Jos. R., So ....Provo
Jackson, Leona, e-So-ss ....Provo
Jackson, Vera, fa-S ....Provo
Jacob, Paul D., a-F ....Pleasant Grove
Jacob, H. Wendell, a-S ....Provo
Jacobs, Emma, e-J ....Roy
Jacobson, Elmer, c-So........Provo
Jacobsen, Ralph C., fa-S....Mt. Pleasant
Jacobsen, Kalei O., ss ....Provo
Jameson, Karl M., a-So ....Price
Janson, Dorothy, c-F........Provo
Jarvis, Ann, ss ....Washington, D. C.
Jeffrey, Eldro E., ap-J ....Delta
Jeffrey, Iliff C., c-F ....Delta
Jeffrey, Pearl, e-J ....Delta
Jenkins, Wm. Clayton, c-S........Provo
Jenkins, Louise, fa-J ....Provo
Jenkins, Melvin D., c-So ....Provo
Jenkins, Ray L., c-J ....Springville
Jennings, Frances I., e-J ....Ephraim
Jennings, Jarvis R., ap-F ....Pine Ridge, South Dakota

Jensen, Allene, ss ....Provo
Jensen, Dean, e-Sp ....Spanish Fork
Jensen, Edna, ap-F ....Manassa, Colo.
Jensen, Elise H., ss ......Salt Lake City
Jensen, Elliot E., e-S ....Manti
Jensen, Gilman, c-So ....Richfield
Jensen, Harmon J., a-J ....Richfield
Jensen, Lola C., ss ....Nephi
Jensen, Mamie, ap-So ....Provo
Jensen, Mary, ss ....Brigham
Jenson, Norma, ss-fa-Sp........Ogden
Jenson, Paul E., e-F ....Ephraim
Jenson, Ralph Wm., a-J ....Ogden
Jensen, Ray, e-So ....Manassa, Colo.
Jensen, Vernon H., ss....Salt Lake City
Jensen, Walter A., fa-So........Salt Lake City
Jensen, Walter, c-Sp ....Provo
Jeppersen, Geraldine, ss ....Provo
Jeppersen, Rhodes, G ....Provo
Jeppson, Lee R., ss ....Brigham
Jergensen, Verla, a-J ....St. Anthony, Idaho
Jex, Phebe, c-So ....Spanish Fork
Johanson, Alva J., G-ss ....Provo
Johansen, Vernon, fa-S ....Mt. Pleasant
Johns, Blair G., a-F ....Spanish Fork
Johnson, Bert, ss ....Koosharem
Johnson, Clair, ss ....Springville
Johnson, V. Dick, a-F ....Provo
Johnson, Donald S., a-F........Mapleton
Johnson, D. Elmer, a-J ....Provo
Johnson, Eugene W., ap-S....Springville
Johnson, Fay, ap-J ....Provo
Johnson, Fred C., a-F....Spanish Fork
Johnson, Georgiana, ss-fa-Sp......Provo
Johnson, Glen B., ap-So ....Richfield, Idaho
Johnson, Goulding, c-F....Lovell, Wyo.
Johnson, Harold, c-So ....Lehi
Johnson, Howard, a-So ....Provo
Johnson, Ina G., e-S-ss ....Provo
Johnson, Ivan P., c-F........Provo
Johnson, Jesse W., e-Un ....Provo
Johnson, Joe F., a-So ....Murray
Johnson, T. Kay, a-F ....Provo
Johnson, Kirt W., c-S ....Manti
Johnson, T. Leonard, a-So ....Provo
Johnson, D. Lorell, ap-J ....Springville
Johnson, Lowell L., ap-J ....Provo
Johnson, Malcolm R., a-F ....Terry, Montana
Johnson, Marjorie, c-F ....Provo
Johnson, Marie, e-So ....Provo
Johnson, Maurean M., e-S-ss ....Mora, New Mexico
Johnson, Melba, e-F......Preston, Idaho
Johnson, Mildred, ap-F ....Payson
Johnson, Morris R., fa-J ....Provo
Johnson, Neva I., e-F ....Orangeville
Johnson, Ruth, fa-Sp ....Provo
Johnson, Searle, a-F ....Provo
Johnson, Sytha, ss ....Kanab
Johnson, Vard H., G ....Pleasant Grove
Johnson, Vola M., fa-Sp. ....

.... Pleasant Grove
Johnson, Wanda, e-F ....Vernal
Johnson, W. Kent, G ....Provo
Johnson, William D., e-Sp ..Santaquin
Johnson, William H., G ....Morgan
Johnson, Wyla J., c-So ....Provo
Johnston, Elsie, ap-Sp ....Los Angeles, Calif.
Johnston, Irene, e-So ....Am. Fork
Jolley, Udell, a-F ....Provo
Jones, Amy, c-So ....SaltLake City
Jones, Archie G., c-S ....Provo
Jones, Blanche B., e-J ....Spanish Fork
Jones, Dale E., c-So ....Provo
Jones, Dorothy, c-Sp ....Salt Lake City
Jones, Dorothy B., fa-Sp-ss..........Provo
Jones, Earl E., c-Sp ....Provo
Jones, ElRoy, ss ....Heber
Jones, Florence, fa-F ....Provo
Jones, Florence, e-F ....Spanish Fork
Jones, Harold T., a-So ....Provo
Jones, Harold, a-F ....Helper
Jones, Horace T., ss-a-Sp..........Heber
Jones, Hyrum P., ss ....Pleasant Grove
Jones, LaFayette, a-J ....Payson
Jones, Lawrence, c-S ....Provo
Jones, Loa, ap-F ....Byron, Wyo.
Jones, Louise M., ss ......Reno, Nevada
Jones, Lucile W., ss ....Provo
Jones, Maurice A., a-J ....Provo
Jones, V. Maurine, ap-So ....Los Vegas, New Mexico
Jones, Melva U., fa-F ....Provo
Jones, Merle, e-So ....Overton, Nevada
Jones, Patrick H., c-So ....Provo
Jones, J. Pettey, ap-F ....Provo
Jones, Ronald, a-F ....Provo
Jones, Rudger E., c-So ....Flushing, N. Y.
Jones, Rulon A., e-S-ss ......Cedar City
Jones, Sara, ss ....Malad, Idaho
Jorgensen, Brandt D., a-J ....Salem
Jorgensen, D. Drew, G ....Provo
Jorgensen, Eugene G., fa-So-ss ....Price
Jorgensen, V. Frank, e-S ....Fountain Green
Jorgensen, Vivian, e-J ....Am. Fork
Josie, Charles, fa-So-ss ....Provo
Josie, Frank, a-F ....Provo
Justesen, Bernice, ss ....Spring City

Kartchner, Fred D., a-F ....Provo
Kartchner, Lindsey V., c-So .... Snowflake, Arizona
Kartchner, Ray W., a-So ....Provo
Kartchner, Virgil D., ss ....Provo
Kay, Afton J., ap-F ....Charleston
Kearns, Howard L., fa-So ..Springville
Keck, Julia P., a-Un ....Springville
Keeler, Essie R., ss ....Provo
Kelly, Ruby, e-So ....Salt Lake City
Kelsey, Effie, ss ....Springville
Kenner, Robert L., ss ....Preston, Ida.
Kenney, Flora, ap-J ....Holden
Kennington, Alta, ss ....Auburn, Wyo.
Kerr, Ethel, Sp ....Provo
Kerr, J. Gleason, e-S-ss ....Idaho Falls, Idaho
Kilfoyle, F. Booth, a-F .... Spring Canyon
Kilfoyle, J. Grant, a-F .... Spring Canyon
Killpack, Theron W., ss ....Provo
Kimball, Doris M., a-J-ss ....Arco, Ida.
Kimball, S. Fern, e-F ....Tucson, Ariz.
Kimball, Gardner, c-S ....Kanosh
Kimball, Griffith R., e-F ....Draper
Kimball, A. Noble, ss ....Kanosh
Kimball, Olive, G ....Tucson, Ariz.
Kimball, Virginia M., ap-F ....Provo
King, Alma W., ss ....Garland
King, Lucille O., ss ....Garland
King, Stella, ap-F ....Grace, Idaho
Kirk, Odeal C., G ......Pleasant Grove
Kirk, Vernon H., c-So ....Provo
Kirkham, Maxine, e-F ....Provo
Kirkham, Reed O., a-So ....Lehi
Kittinger, Stewart, a-F ....Lehi
Kjar, Maurine, ap-F ....Manti
Kleinman, Conrad J., a-J....Mesa, Ariz.
Kleinman, Jay, G ....Mesa, Ariz.
Knight, Anna Beth, ss ....Hinckley
Knight, Edith, ss ....Mesquite, Nev.
Knight, James V., c-Un ....Hinckley
Knight, Jennie B., a-Sp-ss ....Provo
Knight, Philip, c-F ....Provo
Knowlton, Karma, c-F ......Farmington
Knudsen, Ruth, e-So ....Provo
Knudson, Velva, a-F ....Provo
Kotter, Floyd L., e-J ....Elsinore
Kotter, Gladys, G-ss ....Brigham
Kotter, Wilma M., e-J ....Brigham
Koyle, Eldon S., ap-F ....Burley, Idaho
Kunz, Iola, e-F ....Montpelier, Idaho
LaComb, Frank O., a-So ....Midvale
Laker, Willard E., ss-E-Sp ....Price
Lambert, A. C., ss ....Provo
Lambert, Florence B., a-Un-ss ....Provo
Lambert, Theron, a-F ....Provo
Larson, Blanch, ss ....Lehi
Larson, Carl L., c-So ....Preston, Idaho
Larsen, Carlyle, c-J ....Pleasant Grove
Larsen, Chestina B., e-S-ss ....Provo
Larson, Eldon, ap-ss....Las Vegas, Nev.
Larson, Eugene, a-J ....Provo
Larsen, George N., a-F .... Pleasant Grove
Larsen, H. Gordon, c-S-ss ....Provo
Larsen, Grant F., ap-Sp ....Provo
Larson, Gustive O., ss ....Cedar City
Larsen, Vernon F., ss ......Mt. Pleasant
Larson, Louise, ap-J ....Mayfield
Larson, Mabel, e-F ....Mayfield
Larsen, Orville L., e-J .... Pleasant Grove
Larsen, Rex, a-J ....Provo
Latimer, Doreyn E., fa-F ....Salt Lake City
Lawrence, Harold W., ss .... Malad, Idaho

Leavitt, Laurel E., ss .... Bunkerville, Nevada
Leavitt, Francis H., e-S .... Bunkerville, Nevada
Lee, Wilford D., a-So .... Iona, Idaho
LeeMaster, Vernon J., ss .... Provo
LeRoy, Mary, ss .... Springville
LeSueur, Joan L., e-F .... Mesa, Ariz.
LeSueur, Malcolm F., e-S .... Mesa, Ariz.
LeSueur, Nadeen E., e-So .... Mesa, Ariz.
LeSueur, Oma, fa-F .... Mesa, Ariz.
LeSueur, Waldo Y., a-J .... Mesa, Ariz.
Lewis, Bernell H., e-J .... Spanish Fork
Lewis, Ethel L., e-So .... Provo
Lewis, Fred A., a-S .... Provo
Lewis, Kenneth M., ap-Un-ss .... Provo
Lewis, Ruth, ss .... Salt Lake City
Ligon, Jennie W., ss .... Safford, Ariz.
Lillywhite, John P., ss .... Brigham
Lillywhite, Miriam, c-F .... Salt Lake City
Lind, Lloyd C., c-F .... Vernal
Lindsay, Ina, a-F .... Spring Canyon
Livingston, Vaughn E., ... Payson
Lloyd, Lillie M., ss .... Oakley, Idaho
Lloyd, Wesley P., ss .... Oakley, Idaho
Losee, Ferron C., e-Sp .... Provo
Losee, Warren E., ss .... Provo
Lott, Keith D., a-F .... Lehi
Lott, Willard C., a-F .... Huntington
Lott, Wreal L., a-S .... Lehi
Lott, Zelda G., fa-F .... Huntington
Ludlow, Albert T., c-So .... Benjamin
Ludlow, Don E., a-F .... Spanish Fork
Ludlow, Lewis, a-F .... Spanish Fork
Luke, Mabel M., ap-S .... Provo
Luke, Melroy, ap-Sp .... Provo
Luke, Theron H., a-J .... Heber
Lund, Ellen B., a-So .... Huntington Park, Calif.
Lund, Leon, G., ss-c-Sp .... Fountain Green
Lyman, Angie F., ss .... Lyman, Wyo.
Lyman, Willis J., ss .... Lyman, Wyo.
Lyon, Harlan M., a-F .... Overton, Nev.
Lytle, John V., a-F .... Overton, Nev.
McAllister, Ellis S., e-S .... St. George
McAllister, John S., e-S .... St. George
McAllister, Joseph D., a-Un .... Huntington Park, Calif.
McAllister, Rhean L., ap-F .... Spanish Fork
McBride, Karl H., e-S .... Pima, Ariz.
McBride, Orlando S., G-ss .... Thatcher, Ariz.
McCoard, Donna, ap-Sp .... Provo
McCoard, Ethel, c-So-ss .... Provo
McConkie, Faun, a-S-ss .... Moab
McConkie, Wayne R., ap-S-ss .... Moab
McCulley, Walter A., a-Sp .... Provo
McDonald, Alda M., e-So .... Heber
McDonald, Ward C., c-S .... Provo
McEwan, Joe W., c-So .... Salt Lake City
Macfarlane, Glenna, c-F .... Las Vegas, Nevada
McGavin, E. Cecil, ss .... Spanish Fork
McGhie, Frank W., ss .... Salt Lake City
McGregor, Mrs. Alma W., fa-Sp .... St. George
McGregor, Donald W., c-So .... St. George
McGregor, Karma, e-S .... St. George
MacGregor, Mary, ap-F .... St. George
McGuire, James, a-So .... Provo
McGuire, John H., c-J .... Provo
McGuire, Ray, a-So .... Provo
McIntire, Floyd C., a-F .... Price
McKell, Della, e-F .... Spanish Fork
McKell, R. D., ss .... Heber
McKinnon, Thelma, fa-J .... Price
McLean, Fanny G., e-Sp .... Salt Lake City
McMullin, Reed, c-F .... Payson
McNeil, Mrs. John T., ss .... Chicago, Ill.
McOmber, G. Emerson, e-J .... Pocatello, Idaho
McOmie, Robert, ss .... Pleasant Grove
McPherson, John B., a-F .... Springville
McPherson, Margaret, e-S .... Springville
Madsen, Archie L., a-F .... Provo
Madsen, Chas., e-Sp .... Price
Madsen, Clark C., c-J .... Springville
Madsen, Eardley P., e-S .... Ephraim
Madsen, Emily, fa-S .... Duchesne
Madsen, Farrell D., fa-S-ss .... Fairview
Madsen, Florence J., ss. .... Provo
Madsen, E. Harold, c-F .... Provo
Madsen, Herbert C., a-So. .... Provo
Madsen, Neola E., e-So .... Provo
Madsen, Olga, c-Sp .... Provo
Maiser, Georgia, ss .... Provo
Mallory, Gladys C., e-S-ss .... Afton, Wyo.
Mallory, John C., e-S-ss .... Afton, Wyo.
Mangum, Dixie K., c-Sp .... Provo
Manson, George W., e-S .... Eureka
Markham, Don G., a-So .... Spanish Fork
Markham, Lynn C., fa-F .... Spanish Fork
Marler, George D., G .... Thornton, Ida.
Marrott, Margaret L., e-So .... Pleasant Grove
Marquardson, Max S., c-F .... Elsinore
Marsh, Dorothy A., ss .... Evanston Wyo.
Marsh, Gweneth, ss .... Evanston, Wyo.
Marshall, Julia T., ss .... Provo
Martin, Hattie P., ap-Sp .... Provo
Martin, John W., a-So .... Ronan, Mont.
Martin, Kenneth, c-So .... Provo
Martin, William P., a-J .... Provo
Martineau, Carl P., a-J .... Provo
Martines, Doris, a-F .... Richfield
Mathis, Bernard H., a-Un .... Price
Mathis, Weldon M., a-So .... Price
Matthews, Weldon C., c-S .... Midvale
Maughan, Katheryne, ss .... Smithfield
Maughan, Lucile, G .... Lava Hot Springs, Idaho
Maughan, Lyle R., ap-F .... Lava Hot Springs, Idaho
Maughan, Mildred, a-So .... Lava Hot Springs, Idaho

Maughan, Vivian, ss ....Smithfield
Maxwell, Alice V., e-F ....Draper
Maxwell, B. Alva, c-So-ss..Eager, Ariz.
Maxwell, M. Eldrige, c-Un ....Eager, Ariz.
May, Ivan C., a-So......Rockland, Idaho
Maycock, Esther, fa-J........Springville
Maynard, Theron W., fa-F ....Provo
Meldrum, Marvin E., c-So ....Provo
Meldrum, J. Robert, a-So. ....Provo
Mellor, Ada S., e-Un ....Provo
Memmott, Beulah, ss ....Scipio
Mendenhall, Alberta, fa-So..Springville
Mensel, Dorothy, fa-S-ss........Provo
Mensel, Laura M., fa-So-ss........Provo
Menzies, Belva, ss-e-Sp........Provo
Menzies, Charles W., ap-S ....Provo
Mercer, Luana, c-F ....Bountiful
Merkley, Floyd R., e-So ....Blackfoot, Idaho
Merkley, Harold E., a-So. ....Vernal
Merrill, Mrs. Amos N., fa-Sp. ....Provo
Merrill, Dave, e-So ....Provo
Merrill, Douglas, W., fa-So ....Clifton, Idaho
Merrill, Edna J., a-Sp-ss ....Provo
Merrill, Harrison J., a-S ....Provo
Merrill, Merl E., fa-Sp ....Provo
Merrell, Wm. Alton, ss-ap-J ....Provo
Merrill, Vera M., a-J-ss ....Provo
Merrill, Vivian, fa-J-ss ....Provo
Mickelsen, Woodrow S., c-F......Draper
Mifflin, Ada, ss ....Malad, Idaho
Mifflin, DeVota, ss ....Malad, Idaho
Mikkelsen, Loren P., ss ......Coalville
Miller, Amy, c-F ....Salt Lake City
Miller, Barr C., c-J ....Murray
Miller, Berniece, e-J ....Am. Fork
Miller, Cutler R., a-So ....Provo
Miller, Wm. Elbert, c-So ....Provo
Miller, Florence, e-S ....Provo
Miller, Frances C., ap-Sp........Provo
Miller, Irene, e-F ....Venice
Miller, Karl A., G ....Provo
Miller, Phyllis, a-J ....Provo
Miller, Woodrow, c-F ....Provo
Miller, A. Woodruff, ap-So ....St. Anthony, Idaho
Millet, Floyd W., e-S-ss ....Mesa, Ariz.
Miner, E. Devere, c-So ....Fairview
Miner, Evelyn, fa-F ....Springville
Miner, Helen F., c-So ....Fairview
Miner, Norma, fa-F ....Springville
Miner, Orson L., ss ....Fairview
Mitchell, Esther, ap-So ....Provo
Mitchell, J. Harry, c-J ....Eureka
Monk, Ralph W., a-F ......Spanish Fork
Montaque, Mable V., fa-F....Antimony
Montgomery, Edna L., e-S-ss ....Heber
Moody, Inez S., ss ....Delta
Moody, Milton W., ss ....Delta
Moon, Willis, c-F ....Hanna
Moore, Clara, ap-S ....Spanish Fork
Moore, W. Harvey, a-F....Spanish Fork
Moore, Mabel M., ss ....Pleasant Grove
Moore, Robert L., a-So ....Oakland, Calif.
Morgan, Gilbert Lee, a-F ....Provo
Morgan, Helen E., a-So ....Moore, Ida.
Morgan, Lois, ss ....Spanish Fork
Morgan, V. Marie, c-So ....Provo
Morgan, Ralph J., ap-J ....Span. Fork
Morley, Alonzo J., G-ss ....Provo
Morley, Eloise S., e-S-ss ....Provo
Morrell, Helen C., e-So ....Lyman
Mortenson, Eunice S., ap-S ....Ephraim
Mortensen, Harry B., ss ......Cleveland
Mortensen, A. Russell, e-Un ....Arlington, Calif.
Morton, Ermel J., a-F ....Springville
Moss, James E., ss ....Salt Lake City
Moss, James W., ss ....Holladay
Mower, Harold J., c-So ....Fairview
Muhlestein, Erma, ap-Sp ....Provo
Murray, Lorna, ap-So ....Vernal
Murdock, Chase H., a-F ....Beaver
Murdock, Ernest F., c-S ....Park City
Murdock, Stephen R., c-S ....Provo
Murphy, Joseph B., e-J ....Salina
Murphy, Paul, a-F ....Upalco
Musig, Ruth C., ss ....Springville
Musser, Fred P., a-F ....Myton

Naegle Pearl, e-F ....La Sal
Nash, Edith M., fa-S ....Springville
Nelson, Boyd, G ....Pleasant Grove
Nelson, Byron C., e-J ....Montpelier, Idaho
Nelson, S. Call, a-S ....Provo
Nelson, Cloyd H., fa-F ....Ferron
Nelson, Dorothy J., e-So-ss ....Downey, Idaho
Nelson, F. DelMar, fa-S....Pleas. Grove
Nelson, Edna V., ss ......Pleasant Grove
Nelson, Elmo A., a-F ....Upalco
Nelson, Eliza, e-S ....Provo
Nelson, Florence N., ss ....Provo
Nelson, Gwendolyn, G ....Provo
Nelson, Harold S., ss....Pleasant Grove
Nelson, Jay L., c-So ....Provo
Nelson, Leah, a-So-ss ....Spanish Fork
Nelson, William C., ss ......Santaquin
Nelson, W. LeRoy, c-Sp ....Salina
Nelson, Letha, a-J ......Rexburg, Idaho
Nelson, Milton A., a-F ....Provo
Nelson, Ralph, a-J ....Joseph
Nelson, Robert A., e-S ....Spanish Fork
Nelson, Thelma J., e-S ......Springville
Neslen, George Q., a-So ....Salt Lake City
NeVille, Jessie, c-F ....Byron, Wyo.
Newell, Donna, ss ....Mona
Newell, Helen R., a-J ....Provo
Neilson, R. Clark, a-F ....Provo
Nielsen, Dallin S., fa-F ....Monroe
Nielson, Don, ap-J ....Mapleton
Nielson, Helen M., e-So ......Blanding
Nielsen, Jay W., e-F ....Provo
Nielsen, Louise M., e-J ....Tooele

Nielson, Merrell L., ap-F	Springville
Nielsen, H. Reed, a-F	Monroe
Nielson, Ruth E., c-J	Ephraim
Nielsen, Wendell L., a-F	Idaho Falls, Ida.
Nicholes, Fern S., ss	Am. Fork
Nichols, Mary, ss	Brigham
Nielsen, Alfred C., ss	Salt Lake City
Nielsen, Otis P., ss-e-Sp	Fairview
Nisonger, Max Wm., a-S	Provo
Nixon, Beulah E., e-So	Holden
Nixon, Wilma, c-F	Holden
Norris, Elma, ss	Randolph
Norton, Ronald M., a-F	Provo
Nuttall, Margaret A., ss	Overton, Nevada
Nuttall, Maurice, ss-e-Sp	Provo
Nuttall, Taylor C., a-F	Salt Lake City
Nuttall, Wilkins L., a-So	Twin Falls, Idaho
Oaks, Charles E., a-F	Vernal
Oaks, Nettie H., ss	Vernal
Oakley, Dorothy, a-So	Price
Ockey, Edwina, a-So	Price
Okelberry, Orval Wm., c-J	Goshen
Ollerton, Louise, c-So	Provo
Olpin, Ralph S., c-S	Pleasant Grove
Olsen, Donald P., fa-J	Provo
Olson, Farrell G., ap-J	Payson
Olson, George F., ss	Fairview
Olson, Georgia G. R., a-Sp	Springville
Oleson, John F., ss	Payson
Olsen, Joseph Wm., ss	Richfield
Olson, Max D., ss	Provo
Olson, Loyal, ap-F	Vernal
Olsen, Marion J., a-F	Provo
Olson, L. Robert, c-So	Provo
Olsen, Osmond, ss	Manti
Olsen, O. Wilford, ss	Springville
Olsen, William N., e-F	Orangeville
Orme, Sarah, ss	Tooele
Osguthorpe, Elma, fa-So	Salt Lake City
Ostler, Beth, ap-F	Provo
Ostler, Dorothy, ss-a-Sp	Salt Lake City
Ostler, Howard C., a-F	Springville
Ott, James A., e-So	Henrieville
Ottosen, Helen, e-So	Manti
Outzen, Clair H., a-F	Marysvale
Oveson, Melrose, e-So	Cleveland
Owens, Darlene, c-F	Provo
Pace, Maxine, ss	Cedar City
Pack, Dean C., c-Sp	Provo
Packard, Hannah, fa-Sp	Provo
Pace, Evelyn, a-F	Boneta
Page, Ailsa N., fa-J	Duchesne
Page, J. Boyd, a-F	Springville
Page, Eileen, e-J	Goshen
Page, Faye, e-F	Goshen
Palfreyman, Warwick C., c-F	Springville
Palmer, Madge, ss	Kirtland, New Mex.
Pardoe, Kathryn B., fa-Sp	Provo
Park, Hugh Wm., ap-F	Provo
Parker, Helen, ap-F	Am. Fork
Parker, Robert W., a-So	Mt. Airy, No. Carolina
Parkes, Margarett, e-F	Nephi
Parkes, VeraDeane, e-F	Nephi
Parrish, Beth, e-So	Morgan
Parrish, Wallace A., a-So	Peterson
Partridge, Carol, c-So	Provo
Partridge, Lyman M., a-So	Provo
Partridge, Maude, ss	Provo
Paton, DonnaTean, c-F	Preston, Idaho
Patten, Leola, ss	Duncan, Ariz.
Paulsen, LaRue, fa-Sp	Ephraim
Paulson, Wendell H., fa-Un	Provo
Paxman, Annie S., fa-Sp	Provo
Paxman, Beth, fa-F	Provo
Paxman, Edith G., fa-J	Provo
Paxman, Ernest, ss	Provo
Paxman, Lota A., fa-S	Provo
Paxton, Taft, c-J	Kanosh
Payne, Albert L., e-F	Provo
Payne, LaRue, c-Un	Provo
Payne, Minnie, a-ss	Provo
Peacock, Wm. Morris, e-So	Orangeville
Pearson, Irvin B., ap-S	Oakley
Pearson, Oswald L., ss	Minersville
Peart, Mearl C., fa-F	Randolph
Penrod, Grant F., ss	Provo
Penrod, Helen L., e-F	Provo
Penrod, Max W., ss	Provo
Perkins, Ella H., ss	Overton, Nevada
Perkins, Norma, a-F	Monticello
Perlman, Harold, c-F	Provo
Perrett, Barbara A., fa-F	Idaho Falls, Idaho
Perry, Archie, ap-F	Vernal
Perry, Elgia B., c-Sp	Vernal
Perry, Asahel A., ap-J	Vernal
Peteres, Adele, ss	Provo
Peterson, Alene S., fa-Sp	Provo
Peterson, Allan, a-F	Los Angeles, Calif.
Peterson, Carrie M., e-F	Ferron
Peterson, L. Elmer, ss	Oasis
Petersen, Eva M., ss	Brigham
Peterson, Glen H., ss	Grace, Idaho
Petersen, Grethe, e-F	Hinckley
Peterson, Helen M., a-J	Provo
Peterson, Hermese, ss	Provo
Peterson, Howard, a-So	Provo
Peterson, Kenn J., c-J	Manti
Peterson, Lloyd L., c-F	Provo
Peterson, Louise, ap-F	Provo
Peterson, J. Lowell, e-S	Kaysville
Peterson, Madeline A., e-F	Richfield

Peterson, Margaret E., a-F ...... Mt. Pleasant
Peterson, Margaret O., a-J ...... Aberdeen, Idaho
Peterson, Merrill H., ap-F ...... Kaysville
Petersen, Nelda, e-F ...... Hinckley
Peterson, Orson W., e-So ...... Castle Dale
Petersen, Reid J., a-F ...... Provo
Peterson, E. Smith, ap-S ...... Lehi
Peterson, Tom C., c-So ...... Provo
Peterson, Virgil V., a-So ...... Pleasant Grove
Phelps, V. Maxine, ss-fa-Sp ...... Mesa, Ariz.
Phillips W. Lamar, c-F ...... Evanston, Wyoming
Phillips A. LaVon, e-So ...... Am. Fork
Pickett, Herald, c-So ...... Oakley
Pierce, Cleo, ss-e-Sp ...... Springville
Pistole, Maydelle G., fa-F ...... Las Vegas, Nevada
Pitcher, H. Walter, ap-So ...... Cardston, Alberta, Canada
Pollard, Cecil V., ss ...... Emmett, Idaho
Pollard, Esie A., ss ...... Emmett, Idaho
Polly, Cleo E., fa-F ...... Salt Lake City
Polly, Orville L., G ...... Salt Lake City
Postma, Frank, fa-F ...... Vernal
Poulson, Earle M., a-F ...... Provo
Poulson, Elmo S., a-F ...... Provo
Poulson, Leo A., ap-F ...... Provo
Poulson, Lorna A., ap-F ...... Richfield
Poulson, Marion W., e-S ...... Provo
Poulson, Rex, a-F ...... Ovid, Idaho
Poulsen, Theodore, a-F .. Salt Lake City
Poulter, Avon, ss ...... Ogden
Powell, Leo, c-F ...... Lehi
Powell, Maurine, ss ...... Levan
Powelson, Edith ss ...... Byron, Wyo.
Powelson, Stella L., e-F ...... Byron, Wyo.
Preston, James P., ap-So ...... Am. Fork
Prestwich, Berg, fa-S ...... Moroni
Price, Wm. John, c-So ...... Lehi
Priday, Leland F., fa-F ...... Am. Fork
Prince, Lillian T., e-S ...... Provo
Prior, Carl, G ...... Spanish Fork
Probst, Cleopha R., ss ...... Tropic
Probst, Reed G., ss ...... Tropic
Proctor, Annie C., ss ...... Spanish Fork
Prows, Thurber, c-Sp ...... Provo
Prusse, Emma, ap-Un ...... Provo
Prusse, Ruth W., c-F ...... Provo
Pulsipher, J. Lewis, e-J ...... Mesquite, Nevada
Pullen, J. Everett, a-F ...... Provo
Purvance, Wm. Truxton, c-J ...... Provo
Pyne, Lucile, c-Sp ...... Provo

Ralston, Mary, e-J ...... Provo
Ramsbotham, Elizabeth, fa-Sp ...... Provo
Rasband, Lincoln, ap-So ...... Heber
Rasband, Mary, ss ...... Heber
Rasband, Mima, ss ...... Heber
Rasmussen, Arthur P., ap-F ...... Price
Rasmussen, Crystal, e-So ...... Ferron
Rasmussen, James, fa-Un ...... Provo
Rasmussen, W. Leland, c-F ...... Lapoint
Rasmussen, Mabel, ap-S-ss ...... Mt. Pleasant
Rasmussen, Maurice F., ap-F ...... Salina
Rasmussen, Rulon S., ss ...... Fairview
Rasmussen, Thelma, fa-Sp ...... Provo
Rawlinson, Joseph E., c-F ...... Hinckley
Redd, Louise E., ss ...... Blanding
Redd, Maude, c-F ...... Monticello
Redd, Merene, e-So ...... Blanding
Redden, J. Mervin, fa-S-ss ...... Provo
Rees, Clifton A., ss ...... Richfield
Reese, Dale, fa-F ...... Payson
Reese, Eldon L., a-F ...... Bloomington, Idaho
Rees, Lyman, c-So ...... Salt Lake City
Reese, Margaret A., a-J ...... Price
Reese, Owen G., a-F ...... Price
Reese, Rudolph P., a-J ...... Provo
Reeve, Olive S., ss ...... St. George
Reid, Barbara, e-F ...... Orangeville
Reid, Carol, e-J ...... Manti
Reid, Ernest Lee, ss ...... Abraham
Reynolds, Allen C., ss ...... Circleville
Reynolds, Levi E., a-So ...... Provo
Rice, F. Lucy, ap-F ...... Farmington
Rich, Stella P., G-ss ...... Provo
Richan, Raymond B., G ...... Provo
Richie, Alma, c-So ...... Chatham, La.
Richie, Loa G., e-Sp ...... St. Anthony, Idaho
Richards, Beth, e-F ...... Montpelier, Ida.
Richards, Catherine L., ss ...... Malad, Idaho
Richards, Kathryn W., ss ...... Mapleton
Richards, Ruth, c-F ...... Farmington
Richardson, Milton ...... Spanish Fork
Richardson, Vernon L., G-ss ...... Thatcher, Arizona
Richins, Wm. Dwaine, fa-F ...... Burley, Idaho
Richmond, Dorothy, e-J ...... Provo
Rick, Rode S., a-Sp ...... Provo
Ricks, Lavonda, e-J ...... Idaho Falls, Idaho
Ricks, Ruby B., a-F ...... Idaho Falls, Idaho
Rigby, Faye, ap-Sp ...... Fairview
Rigby, Thorval E., ss ...... Fairview
Rigby, Wendell M., ss ...... Provo
Ritchie, Metta, a-ss ...... Provo
Rivers, Marie E., e-F ...... Springville
Robbie, Harry Wm., a-So ...... Provo
Robbins, C. Claude, fa-S ...... Moreland, Idaho
Robbins, Dorothy, c-Un ...... Provo
Robbins, Enid, fa-Sp ...... Provo
Roberts, Bee, e-So ...... Delta
Roberts, Beth A., a-F ...... Salt Lake City
Roberts, Frank, c-J ...... Provo
Roberts, Zoe, e-So ...... Delta
Robertson, Joseph A., c-S ...... Fountain Green

Robins, Fay, ss ..... Scipio
Robinson, Don S., a-F ..... Am. Fork
Robinson, Elma, a-So ..... Provo
Robinson, Merla, ss ..... Coalville
Robinson, Orpha, e-S ..... Am. Fork
Robinson, Phyllis, a-So ..... Provo
Robinson, L. Ray, ss ..... Logan
Robinson, Rollo, a-F ..... Am. Fork
Robinson, Ruth, a-So ..... Provo
Robison, Bertha B., e-J-ss ..... Baker, Nevada
Robison, Burle H., e-S ..... Provo
Robison, Ione, fa-So ..... Overton, Nev.
Rogers, Mayola, e-So ..... Snowflake Arizona
Rollins, J. Eugene, e-F ..... Lyman, Wyo.
Rollins, J. Leslie, ss ..... Lyman, Wyo.
Romney, Antone K., e-S ..... Chicago, Ill.
Romney, Archie, ap-F ..... Colonia Juarez, Chih., Mexico
Romney, Elwood S., e-S-ss ..... St. George
Romney, Isobelle, e-F ..... Colonia Juarez, Chih., Mexico
Romney, Leona, fa-S ..... Chicago, Ill.
Romney, Marguerite, fa-J ..... Colonia Juarez, Chih., Mexico
Romney, Maurine, fa-So ..... Chicago, Ill.
Romney, Stanley C., ap-S ..... Colonia Juarez, Chih., Mexico
Romney, Thomas C., ss ..... Provo
Ross, George R., G ..... Provo
Ross, Zephia C., fa-So ..... Galesburg, Ill.
Roundy, Amanda I., c-S ..... Provo
Rowe, Francis, a-So ..... Spanish Fork
Rowe, G. Browning, c-S ..... Provo
Rowe, Owen B., a-F ..... Provo
Rowlett, Frances, ss ..... Salt Lake City
Rowley, Edwardeen, ap-S ..... Provo
Rowley, Geo. A., e-Sp ..... Helper
Rowley, Rinda, fa-So ..... Provo
Rowley, Sammy, fa-F ..... Blanding
Rudy, J. P., e-Sp ..... Vernal
Rust, G. Nelson, a-F ..... Provo
Rust, Richard D., a-J ..... Provo
Sager, Ferren N., fa-So ..... Am. Fork
Sager, J. Elma, ap-J ..... Am. Fork
Samuelson, Beatrice B., ss ..... Santaquin
Sandgren, Edward A., a-Sp ..... Provo
Sanford, Hunt L., a-So ..... Springville
Sargent, Ned, e-So ..... Panguitch
Sargent, Sarah P., e-F ..... Kamas
Sauer, Gertrude, ap-S-ss ..... Provo
Schofield, M. Dale, a-F ..... Beaver
Schofield, Josephine, ss ..... Hiko, Nev.
Schow, Elden C., a-J ..... Lehi
Schow, I. Margaret, e-S ..... Lehi
Schultz, James C., c-So ..... Salt Lake City
Scorup, Ellen, fa-F ..... Salina
Scorup, Stena, ss ..... Salina
Scott, Anna Deen, ap-Un ..... Provo
Scott, M. Deborah, fa-F ..... Idaho Falls, Idaho
Scott, Ida Belle, e-S-ss ..... Provo
Scott, Mark J., a-F ..... Provo
Scott, Melba, a-F ..... Provo
Scott, Stella, ap-F ..... Charleston
Scott, G. Vernon, a-S ..... Provo
Seamon, J. Gordon, c-J ..... Salt Lake City
Searle, Kenneth D., ap-S ..... Am. Fork
Searle, Lynn S., a-F ..... Spanish Fork
Sears, Marguerite, a-So ..... Salt Lake City
Seastrand, Genna Vee, a-F ..... Am. Fork
Seaton, May, a-J ..... Price
Seegmiller, Marie, fa-Sp ..... Provo
Seegmiller, Marjorie E., c-So ..... Richfield
Seeley, V. Hope, fa-F ..... Vernal
Seely, Ina M., c-So ..... Mt. Pleasant
Seethaler, Joseph A., c-F ..... Provo
Seiter, Erika E., a-So ..... Provo
Sessions, James W., ss ..... Pocatello, Idaho
Sessions, Magdalen F., ss ..... Pocatello, Idaho
Seymour, Sybil, ap-F ..... Afton, Wyo.
Shalfoan, Anthony V., c-Un ..... Opotika, New Zealand
Sharp, J. Cecil, ss ..... Salt Lake City
Shawcroft, Alice, a-Sp ..... LaJara, Colo.
Shelley, M. Ethel, e-J ..... Am. Fork
Shepherd, Laura, ss ..... Beaver
Sheppard, George L., G ..... Pima, Ariz.
Sheranian, Lorraine M., e-So ..... Murray
Shields, Lloyd, e-S ..... Tooele
Shields, Veldon E., a-F ..... Tooele
Shober, Ernest E., c-S ..... Murray
Showalter, Don B., c-F ..... Vernal
Shipp, Warren E., ap-J ..... Beaver
Shurtliff, F. Lovere, c-So ..... Provo
Siddoway, Laurence Y., c-F ..... Vernal
Sidwell, Ruth, ss ..... Provo
Simkins, Marie, e-So ..... Springville
Simmons, Dean E., a-So ..... Payson
Simmons, Donald, ss ..... Payson
Simmons, Jim A., fa-F ..... Spanish Fork
Simper, Wayne, e-S ..... Murray
Simpson, Grace E., e-So ..... Mt. Pleasant
Simpson, Margaret, c-F ..... Mt. Pleasant
Skeem, Leona I., e-So ..... Oasis
Skinner, Grace, ss ..... Beaver
Skinner, Lucille, e-So ..... Provo
Slade, Pansy A., ss ..... Kirtland, New Mexico
Smart, Henriette Neff, e-Sp-ss ..... Provo
Smart, Herbert F., a-So ..... Provo
Smart, M. Neff, a-S ..... Provo
Smart, Rowlee N., a-F ..... Provo
Smith, Andrew O., a-J ..... Snowflake, Arizona
Smith, Earl T., a-J ..... Beaver
Smith, Eldores E., a-F ..... Pleas. Grove
Smith, Elmer H., G ..... Provo
Smith, Ernest, Sp ..... Pleasant Grove
Smith, Ervine F., G ..... Pleasant Grove
Smith, M. Foss, a-S-ss ..... Snowflake, Arizona
Smith, Hyrum J., c-F ..... Salt Lake City
Smith, James Earl, e-S ..... Payson
Smith, Jenniev J., ap-S ..... Logandale, Nevada

Smith, John Aldwyn, c-J .... Provo
Smith, Justin M., G .... Provo
Smith, Lois, a-S .... Salt Lake City
Smith, Marjorie, e-F .... Provo
Smith, Moroni W., ss .... Hyrum
Smith, A. Ralph, ap-F .... Am. Fork
Smith, Norma M., a-J .... Salt Lake City
Smith, Sophronia, a-S .... Snowflake, Nevada
Smith, Virgil J., fa-J .... Lehi
Smith, Winifred, fa-F .... Provo
Smoot, Fern, fa-S .... Provo
Smoot, Seth E., c- So .... Provo
Snell, Alta, e-J .... Provo
Snell, Della, e-F .... Provo
Snell, Esmond E., a-So .... Provo
Snell, Hillman C., fa- So .... Provo
Snell, Ina R., ss .... Provo
Snell, Maude, e-So .... Provo
Snell, Morris R., ap-J .... Provo
Snell, Wm. Henry, ss .... Provo
Snow, Claude S., G .... Provo
Snow, Edna, G .... Provo
Snow, Hattie T., ap-Sp .... Provo
Snow Hortense, ap-J .... St. George
Snow, Orvel L., ss .... American Fork
Snow, Perry E., ss .... Ferron
Snyder, Theron T., a-So .... Payson
Sorensen, Allen B., a-So .... Spanish Fork
Sorensen, Edna M., c-So .... Salt Lake City
Sorenson, Ferril M., e-J .... Spring City
Sorensen, Harold E., a-F .... Lovell, Wyo.
Sorenson, LaBerta M., G .... St. George
Sorenson, Virgie L., e-S .... Koosharem
Souter, Irma, ap-F .... Provo
Sowards, Anthony, G .... Provo
Sowards, Beulah B., fa-Un .... Provo
Sowards, Josephine, ap-J .... Provo
Sowards, Myrtle, ap-J .... Provo
Sowards, Willa L., a-So .... Provo
Spalding, Ardith, c-So .... Provo
Speckhart Mabel C., a-S .... Provo
Spencer, Alice, fa-So .... Paris, Idaho
Spencer, Ethel S., ss .... Provo
Spencer, Leland S., c-S .... Provo
Spillman, Elizabeth, ss .... Telluride, Colo.
Staheli, Harvey R., ss .... Santa Clara
Stahmann, Lydia S., e-Sp .... Spanish Fork
Stahmann, Mark A., a-F .... Spanish Fork
Stahr, J. Sterling, c-So .... Ogden
Starr, Edna, ap-F .... Springville
Starr, Inez, e-S .... Springville
Starr, Nora, G .... Springville
Startup Norell, ss .... Provo
Steed, Dean R., c-S .... Farmington
Steed, Jack L., c-F .... Farmington
Steedman, Kenneth Wm., ss-a-So .... Mammoth
Steele, Millie, ap-So .... American Fork
Steele, Jesse F., ss-a-Sp .... Tooele
Stein, Harry C., c-Sp .... Provo
Stephens, J. LeGrande, e-Sp .... Montpelier, Idaho
Stephens, G. Sylvan, a-J .... Provo
Stephens, Von, a-F .... Provo
Sterling, Len G., a-F .... Spanish Fork
Sterling, Mary H., e-So .... Provo
Stetler, Byron F., ss .... Reno, Nevada
Stevens, Marjorie, a-F .... Fillmore
Stevens, Owen C., G .... Provo
Stevens, Ruth, e-F .... El Paso, Texas
Stewart, Cornell S., a-F-ss .... Alamo, Nevada
Stewart, Esther C., ss .... Salt Lake City
Stewart, Ezra, a-Sp .... Jensen
Stewart, Loris W., e-So .... Provo
Stewart, Lucille, e-S .... Mt. Pleasant
Stewart, Virginia, e-So .... Spanish Fork
Stice, Harold K., c-So .... Am. Fork
Stillman, Elise, e-So .... Richfield
Stimpson, J. Vernal, ss .... Provo
Stith, Estelle, a-ss .... Vidalia, Georgia
Stoker, Alta, fa-J .... Sugar City, Idaho
Stokes, Katharine, a-F .... Midvale
Stokes, Lillian, a-F .... Midvale
Stone, Dean A., c-F .... Spanish Fork
Storrs, Bertha, G .... American Fork
Stowell, Lucile C., ss .... Springville
Stowell, Rhoda, ap-J .... Pocatello, Ida.
Straw, Luell, ss .... Springville
Straw, Rea S., ss .... Springville
Street, Ruby K., c-So .... Provo
Strickler, Beulah, ss .... Ogden
Strickler, Fredona, fa-F .... Ogden
Stringham, Kenneth Y., fa-Un .... Vernal
Strong, Jay, a-J .... Springville
Strong, Leon M., ss .... Rexburg, Ida.
Strong, Mabel H., ss .... Rexburg, Ida.
Stuart, Susie M., e-F .... Wellsville
Summerhays, John W., ss .... Salt Lake City
Summerhays, Margaret, a-Sp-ss .... Salt Lake City
Summers, Helen, e-J .... Provo
Sumner, Elizabeth, e-F .... Provo
Sumner, LaPrele, ap-So .... Provo
Sumner, Maline, a-Sp .... Provo
Sumsion, Howard, a-So .... Springville
Sumsion, J. Clyde, c-Sp .... Provo
Sumsion, Merlene, e-So .... Springville
Sundwall, Anna E., a-S .... Fairview
Sundwall, Harry W., e-J .... Fairview
Sundwall, Katharine L., e-So .... Fairview
Sutherland, Rex L., fa-F .... Springville
Swenson, F. McLean, a-Un .... Provo
Swenson, Joe C., c-So .... Provo
Swensen, Louise, a-S-ss .... Provo
Swenson, Margaret D., e-Sp-ss .... Provo
Swenson, Martha T., ap-F .... Spanish Fork
Swenson, Mildred W., ap-So. .... Pleasant Grove
Swenson, A. Nell, ap-So. .... Pleasant Grove

Swenson, Waldo, a-F ....Spanish Fork

Taggart, Renold L., e-Un ....Salt Lake City
Talbot, Phyllis L., e-F ....Hinckley
Tanner, Abner, c-Un ....Provo
Tanner, Gilbert L., a-J ....Provo
Tanner, Glade R., a-F ....Salem
Tanner, H. Lyle, ap-F ....Payson
Tanner, Mabel M., ss ....Provo
Tanner, Margaret, c-Sp .... Minneapolis, Minn.
Tanner, Orea B., ss ....Provo
Tanner, Ray S., ap-S ....Fairview
Tanner, J. Sherman, a-Un ....Provo
Tanner, Wilmer W., a-F ....Fairview
Taylor, Ada, a-So ....El Paso, Texas
Taylor, Anna L., ss ....Evanston, Wyo.
Taylor, Bessie, ap-S ....Manti
Taylor, Blaine B., a-F ....Idaho Falls, Idaho
Taylor, Delenna R., a-J ....Provo
Taylor, Ethel R., fa-S ....Provo
Taylor Fenton W., a-S .... Thatcher, Arizona
Taylor, J. Golden, c-F .... Spokane, Washington
Taylor, Gordon B., fa-F ....Kamas
Taylor, Grace, e-F ....Murray
Taylor, Helen N., c-F ....Salt Lake Ctiy
Taylor, Herbert W., a-F ....Colonia Juarez, Chih., Mexico
Taylor, O. Kenneth, a-F ....Provo
Taylor, Lamar A., c-So ....El Paso, Texas
Taylor, Margaret, ap-So ....Salt Lake City
Taylor, Nadine L., fa-F ....Provo
Taylor, Melba, ap-Un ....Provo
Taylor, Paul W., a-Sp ....Provo
Taylor, Pearl, ap-So ....Salt Lake City
Taylor, Preston N., a-S .... Bonida, Idaho
Taylor, H. Rex., c-J ....Levan
Taylor, Robert F., c-So ....Salt Lake City
Taylor, Virginia, a-S ....Provo
Taylor, Weldon J., c-J-ss ....Provo
Taylor, Wendell H., ss ....Provo
Terry, Elvis B., ss-fa-Sp......Enterprise
Tervort, Wilma, e-So ....Payson
Tew, Wm. Thomas, ss ....Mapleton
Thamert, LaDorise S., e-F ....Provo
Thamert, Lucille, c-Sp .... Caldwell, Idaho
Thatcher, Howard L., ap-S ......Payson
Thayne, Wm. James, G ....Provo
Thomas, David G., ss ....Salt Lake City
Thomas, Grace L., ss ......Ashton, Ida.
Thomas, Worsley R., c-Sp ......Provo
Thompson, Agnes, ss ....Wattis
Thompson, Blaine A., ss ....Wattis
Thompson, William H., a-F ....Aurora
Thomson, Cannon A., ss ....Salt Lake City
Thomson, Ralph D., ss ....Ephraim
Thorne, Charles J., a-F ....Pleas. Grove
Thorn, Grant S., a-So ....Springville
Thornock, Harold, e-F ....Bloomington, Idaho
Thornock, Owen D., a-S ....Bloomington, Idaho
Thornton, J. Read, c-J................Provo
Thurgood, J. Grant, G ....Provo
Tidwell, Bert, e-F ....Wellington
Tietjen, Naomi, a-S ....Santaquin
Tippetts, Marion E., a-F ....Lovell, Wyoming
Tobler, Ezra, e-S ....St. George
Todd, George H., a-F ....Mesa, Arizona
Tolman, Dorothy, e-F ..Salt Lake City
Toone Clifford S., G ....Gooding, Idaho
Torgersen, Howard A., a-Un ....Lovell, Wyoming
Torgersen, Vendla G. E., a-Sp ....Lovell, Wyoming
Towers, Esther V., e-S ....Eureka
Tree, Lewis E., a-F ....Park City
Tucker, Clarence, a-F ....Provo
Tucker, J. Glen, a-So .... Oakland, California
Tueller, Golden R., ss ....Overton, Nevada
Tuttle, Jean, fa-F ....American Fork
Twelves, Leland, a-F ....Spanish Fork

Udall, J. Nicholas, a-F ....Phoenix, Arizona
Ungerman, Estella, e-F ....Castle Dale
Ungricht, LaVerne S., c-So ....Rolapp

Vance, Cyril L., a-S ....Provo
Vance, E. Merle, e-S-ss ....Jerome, Idaho
Vance, S. Lloyd, c-F ....Provo
Vance, Morris R., c-F....Jerome, Idaho
Vance, R. Wendell, a-J ....Provo
Van Cott, Grant A., fa-S-ss ....Salt Lake City
Van Cott, LeRoy B., ss........................Salt Lake City
Van Patten, Boyce, c-S ....Springville
Van Wagenen, Dean, c-F ....Provo
Van Wagenen, Fay E., c-Sp ......Provo
Van Wagenen, Frank, c-J ....Provo
Van Wagenen, Harold E., c-J ....Provo
Vernon, William M., ss ....Provo
Vest, Edwin T., e-S ....Ogden
Vest, H. Grant, a-S-ss ....Am. Fork
Vest, Niles L., a-So ....Payson
Vest, William Veloy, e-S ....Mona
Vick, Jack, c-Sp ....Provo
Vick, Virginia, c-Un ....Provo
Vincent, Paul V., ap-F ....Provo
Vincent, Rowe H., c-S ....Provo
Vogel, Bertha, ss ....Provo

Wadley, Alexander, a-J ....Pleas. Grove
Wadley, LaVere J., ss ....Pleas. Grove
Wagstaff, David E., ap-F ....Am. Fork
Wagstaff, Dwane A., c-F ....

........Salt Lake City
Wakefield, G. Bruce, e-So .... Huntington
Wakefield, Emma H., G ....Provo
Wakefield, John Homer, ss-Sp..Provo
Waldram, Ruth, ap-So ....Sugar City, Idaho
Walker, Esther L., fa-Sp ....Pleasant Grove
Walker, J. Harris, a-So ....Raymond, Alberta, Canada
Walker, Jennie, e-So ....Pleasant Grove
Walker, Jess R., e-J ....Pleasant Grove
Walker, Lorenzo S., ap-Sp........Farmington
Walker, Lois, a-F ....Peoa
Walker, Muriel, ap-So ....Pleas. Grove
Walker, Paul K., ss ....Nephi
Walker, Samuel, a-F....Pleasant Grove
Walker, Troy P., a-F....Durango, Colo.
Wall, Alonzo E., e-ss ....Goshen
Wallis, Muriel S., ss ....Vernal
Wangsgard, Keith, ss ....Ogden
Wanlass, L. Glen, a-S ....Lehi
Warner, Berenice, e-J ....Grace, Idaho
Warner, Clifford E., c-So ....Spanish Fork
Warner, Maline, c-F ....Fillmore
Warner, Max, a-So ....Provo
Warner, Max R., c-F........Spanish Fork
Warnick, Carl G., c-So ....Provo
Warnick, Don C., c-ss ....Provo
Warnick, Effie, G-ss ....Pleasant Grove
Wasden, Howard A., ss ....Las Vegas, Nevada
Wasden, Kent H., e-So ....Las Vegas, Nevada
Washburn, DeMonte, fa-F........Monroe
Washburn, Don E., ss ....Provo
Washburn, H. Clyde, a-So ....Provo
Washburn, Emily, e-So ....Draper
Washburn, V. Fred, a-So-ss ....Provo
Washburn, Jesse A., ss ....Provo
Washburn, Lydia, e-So ....Blanding
Washburn, Myrl, e-F ....Draper
Washburn, J. Nile, ss ....Provo
Washburn, Vernis, e-So ....Blanding
Waters, Moneice, ap-F ....Spanish Fork
Watkins, Nedra, c-F ....Provo
Watson, Henry R., G-ss ....Ogden
Watts, J. Clayton, ss ....Centerfield
Webb, Cecil E., a-F........Lehi
Webb, Fred N., fa-S-ss ....Provo
Webb, Glenn, G ....Provo
Webb, John H., ap-So ....Am. Fork
Webb, Lynn R., c-So ....Lehi
Webb, Ross C., e-So........Castle Gate
Wedge, Virgil H., a-F .... Caliente, Nevada
Weight, Bessie, ss ....Springville
Weight, Karl R., c-So ....Springville
Weight, Kenneth E., G ....Provo
Wells, Allen T., a-J-ss ....Lehi
Wentz, Lorna C., fa-F ....Provo
Wentz, Myrl, e-Sp-ss ....Provo
West, Byron H., ap-F ....Pleas. Grove
West, Gwyn, e-F ....Pleasant Grove
Westover, LaVada, ap-F ....Mesa, Ariz.
Westover, LaVeda, fa-F ....Mesa, Ariz.
Wheeler, Helen, e-F ....Springville
Whetten, Kate A., c-Sp ....Provo
Whetten, Lester B., G-ss ....Provo
Whetten, Loren A., c-S ....Colonia Juarez, Chih., Mexico
Whimpey, David Wm., ap-F ....Lehi
Whitaker, Susan M,. a-So ....Provo
White Deleen, fa-J ....Morgan
White, Fay F., fa-Sp ....Provo
White, Faye, e-J ....Payson
White, Florence, e-S ....St. Anthony, Idaho
White, Sara, c-F ....Morgan
Whitehead, LeRoy, ss ....Nephi
Whiteley, Alicebeth, fa-F ....Oakley, Idaho
Whiting, Leon, c-Un ....Rupert, Idaho
Whiting, Quinn A., a-S ....Mapleton
Whiting, Ruth, e-So ....Mapleton
Whiting, Wm. Verl, c-F ....Springville
Whitlock, Loyd C., e-J ....Mayfield
Whitman, Jay, e-So ....Lehi
Whitman, Laurence S., ss .... Mt. Pleasant
Whitman, Lois R., e-F ....Provo
Whitney, Lavina, c-F ....Las Vegas, Nevada
Whittle, Cyril M., ss ....Preston, Idaho
Whitwood, Kenneth R., a-F .... Spanish Fork
Widdison, Hilda M., a-S....Paul, Idaho
Widdison, Iretta, c-F ....Paul, Idaho
Wightman, Burnis W., c-F........Payson
Wignall, J. Joyd, a-F ....Payson
Wilcox, Carlyle W., ss ....Pioche, Nev.
Wilcox, Franklin R., ss ....Caliente, Nevada
Wilkins, Dell Sena, ss ....Mesa, Ariz.
Wilkins, Joseph R., ss ....Mesa, Ariz.
Wilkinson, Elra, a-Sp ....Ogden
Wilkinson, Glen A., c-S ....Ogden
Willey ,Ivan R., a-So ....Byron, Wyo.
Willey, Roy D., a-So........Byron, Wyo.
Williams, Alberta, a-J ....Morgan
Williams, Annie R., ss ....Ogden
Williams, Lloyd .B.,fa-So-ss ....Provo
Williams, Mark L., ss ....Castle Dale
Williams, Nephi L., ss ....Castle Dale
Williams, Ray M., e-J ....Castle Dale
Williams, Russell S., ss-e-Sp........Columbia
Williams, J. Walter, fa-F ....Emery
Willis, Emabel, e-F ....Snowflake, Ariz.
Wilson, Belva, e-J ....Midway
Wilson, Bill W., a-So ....Provo
Wilson, Dale B., ap-J ....Payson
Wilson, Gladys S., a-Un ....Payson
Wilson, J. Harold, c-S ....Payson
Wilson, Howard, ss ....Payson
Wilson, Jesse, e-So ....Provo
Wilson, Mabel, e-So ....Provo
Wilson, Owen M., a-J ....Provo
Wilson, Woodrow S., a-Sp ....Provo
Wing, Arva D., e-So ....Lehi
Wing, John H., G ....American, Fork
Wing, Sherman Wm., a-So....Am. Fork

Winn, Ada, c-Sp	Vernal
Winn, Eden S., ed-Sp-ss	Castle Gate
Wing, Therese F., ss	Mt. Pleasant
Winterton, Olive E., ap-So	Provo
Winterton, Zelma E., ss	Provo
Wipf, Peter J., G	Provo
Wiscombe, Leland M., a-F	Roosevelt
Wiscombe, Morris Wm., ap-So	Provo
Wiscombe, Ronald J., e-J	Roosevelt
Wittwer, Reed, G	Santa Clara
Woffinden, Leta M., e-F	Spanish Fork
Wolfley, Annie, e-Sp-ss	Etna, Wyo.
Wood, Lynne K., a-F	Helper
Woodhouse, Clara, fa-S	Beaver
Woodward, Emily T., Sp	Provo
Woolf, Anthony D., a-F	Provo
Woolston, Harold W., fa-S	Lehi
Workman, Lola, ap-F	Provo
Works, Maxine, c-F	Oasis
Worsley, Helen B., ap-J	Proyo
Worsley, Sadie, G	Provo
Worthen, Ralph W., a-So	Provo
Wride, Prudence, ss	Benjamin
Wright, Beth A., a-S	Provo
Wright, I. Donald, a-So	Pleasant Grove
Wright, Glade, a-J	Hinckley
Wright, Ianthus, ss	Hinckley
Wright, Lafayette, c-Un	Pleasant Grove
Wright, Lynne A., c-J	Provo
Wyler, Geo. A., a-Sp	Payson
Yeaman, Mabel E., Sp.	Afton, Wyo.
Youd, Stella, e-J	Spanish Fork
Young, Clyn, e-F	Blanding
Young, Darroll P., a-So	Blanding
Young, Delbert H., ap-J	Salina
Young, Edith, a-J-ss	American Fork
Young, Erma, e-F	Heber
Young, Evelyn, e-F	Heber
Young, Helen, ap-F	Am. Fork
Young, Mildred L., e-So	Idaho Falls, Idaho
Young, Newel K., ss	Richfield
Young, Rhoda J., ap-J	Salina
Young, Thelma M., fa-F	Tucson, Arizona
Young, Theodore K., ap-F	Idaho Falls, Idaho
Zager, Angela, ss	Hayden
Zumbrunnen, Naomi V., e-F	Coalville

Summary of Students for 1932-1933

Graduates	94	
Seniors	215	
Juniors	255	
Sophomores	358	
Freshmen	558	
Specials	185	
Unmatriculated	45	
	——	1710
Summer School 1932:		
Graduates	164	
Other University Students	371	
	——	535
Correspondence and Extension Students		363
Secondary Training School:		
Senior High School	83	
Junior High School	69	
	——	152
Elementary Training School		284
		3044
Less those counted more than once		142
Number receiving institutional credit		2902

INDEX

Accounting and Business Adminstration 71
Administrative Officers 6
Admission 54
Agricultural Club 40
Agronomy 77
Alpha Kappa Psi 44
Animal Husbandry 82
Art 86
Associated Students 38
Associated Women Students 39
Awards 46
Beta Beta Beta 44
Block "Y" Club 39
Blue Key 45
Board of Trustees 4
Botany 94
B. Y. U. Women's Organization 45
Calendar 5
Chemistry 99
Church School Officers 4
Classification of Students 56
Clothing and Textiles 151
Clubs and Societies 39
College of Applied Science 65
College of Arts and Sciences 65
College of Commerce 66
College of Education 66
College of Fine Arts 68
Committees, Standing 26
Course Divisions 55
Correspondence Courses 270
Courses of Instruction 71
Credits 56
David Starr Jordan Biology Club 43
Dean of Women 50
Departments of Instruction 34
Delta Phi 43
Discipline 49
Drama League, The 41
Drawing 172
Economics 106
Educational Administration 111
Election of Studies 55
Elementary Education 118
Elementary School Faculty 277
Endowments 37
Engineering 175
English 125

Entomology 262
Enrollment of Students 295
Extension Division, The 265
Faculty 7
Faculty Fine Arts Club 45
Faculties, L. D. S. Institutes and Seminaries 27
Faculty Forum 45
Fees 35
Finance and Banking 136
Foods and Nutrition 154
French 179
French, German and Spanish Clubs 41
Gamma Phi Omicron 41
General Requirements 54
Geology and Geography 138
German 176
Graduate Club 43
Graduate School 60
Graduates 286
Graduation 57
Group Requirements 58
Hebrew 183
History of University 30
History 144
Home Economics 151
Home Economics Club 41
Horticulture 161
Household Administration 158
Instrumental Music 187
Italian 182
Journalism 133
Latin 183
Leadership Week 269
Library 50-164
Literary Club, The 42
Loan Funds 37
Lyceum 70
Major and Minor Requirements 59
Master Degree Requirements 61
Mathematics 165
Mechanic Arts 168
Mechanics 168
Medical Director, Function of 49
Modern and Classical Languages 176
Music 184
Music Society 42
Office Practice 192
Organization of University 33
Phi Delta Phi 45
Philosophy of Education 203

Phonetics 183
Physical Education 193
Physics 209
Political Science 215
Presidents' Club 39
Psychology 220
Psychology Club 43
Refunds 36
Religious Education 225
Scholarships 46
Scholarship Honors 62
Secondary Education 239
Secondary Training School Faculty.......... 277
Secondary Training School Curriculum.......... 281
Senior High School Courses 284
Social Unit Organization 39
Sociology 245
Spanish 181
Special Scientific Collections 52
Speech 251
Student Expenses 36
Studio Guild 42
Summer Session 69
Tau Kappa Alpha 44
Theory of Music 184
Theta Alpha Phi 44
Training Schools 277
Vocal Music 190
Y Chemical Society, The.......... 44
Young Commerce Club 42
Young Women's Missionary Club.......... 42
Y. E. A.......... 42
Zoology and Entomology 257

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1934-1935

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JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

MARCH

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

APRIL

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

MAY

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

JUNE

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JULY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

AUGUST

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SEPTEMBER

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
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NOVEMBER

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1935

JANUARY

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APRIL

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SEPTEMBER

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OCTOBER

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NOVEMBER

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STEPHEN L. CHIPMAN

University Calendar

1934

AUTUMN QUARTER

September 10—Training Schools begin.

September 17—First Faculty Meeting.

September 21 and 22—Registration days. Freshman instructions and examinations.

September 24—Registration continued.

September 25—Instruction begins.

October 16—Founder's Day.

November 28 to December 3 (Wednesday evening until Monday morning)—Thanksgiving Recess.

December 21—Autumn Quarter closes.

1935

January 7—Winter Quarter begins.

January 28 to February 1—Leadership Week.

March 22—Winter Quarter closes.

SPRING QUARTER

March 25—Spring Quarter begins.

June 2—Baccalaureate services.

June 4—Alumni Reunions.

June 5—Fifty-Eighth Commencement Exercises.

June 10—Summer Quarter begins.

Professor, 1911—; Acting Dean College of Applied Science, 1924-29; Dean Graduate School, 1929—.

ELBERT H. EASTMOND..Professor of Art

Diploma in Normal Art and Manual Training, Pratt Institute, 1902; B. Pd., Brigham Young University, 1906; Graduate Work, California School of Fine Arts, University of California; California School of Arts and Crafts; Rionido School of Art, University of Washington; European Travel Study; Professor of Art, Brigham Young University, 1904—.

AMOS N. MERRILL................Professor of Secondary Education
Acting Dean of College of Education

B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D., Stanford University, 1926; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1910-22; Dean of Church Teachers' College, 1917-23; Professor of Secondary Education and Supervisor of Secondary Training, 1924—.

EDWARD H. HOLT.........................Professor of Office Practice
Secretary of the Faculty

B. Pd., Brigham Young University, 1895; Assistant Professor of Business Education, 1895-1902; Professor of Business Education, 1902-21; Professor of Office Practice, 1921—.

ALICE L. REYNOLDS................Professor of English Literature
A. B., Brigham Young University, 1910; Graduate work, University of London, 1911; Two years Graduate work, European Universities; University of Chicago; University of California, 1923; Columbia University, 1932-33; Instructor in English, Brigham Young University, 1894-1911; Professor of English Literature, Brigham Young University, 1911—.

CARL F. EYRING............Professor of Physics and Mathematics
Dean of the College of Arts and Sciences

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Research Specialist, Bell Telephone Laboratories, 1929-31; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17;

Professor of Physics and Mathematics, 1917—; Dean of the College of Arts and Sciences, 1924—.

VILATE ELLIOTT..........................Professor of Home Economics

B. Pd., Brigham Young University, 1895; Graduate work Pratt Institute; Student State Normal School Santa Barbara, California; University of Chicago; Study in Europe, 1924-25; Floating University, 1930-31; Professor of Home Economics, Brigham Young University, 1908—.

BENJAMIN F. CUMMINGS....................Professor of Modern and Classical Languages

A. B., University of Utah, 1913; Graduate work, University of Utah; University of Chicago; Stanford University; University of Paris; Instructor Modern Languages, Latter-day Saints University, 1910-12; 1914-20; Instructor Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920—.

FLORENCE JEPPERSON MADSEN............Professor of Music

B. M., Chicago Musical College, 1926; M. M., 1927; Doctor of Music, Boguslawski College of Music, 1932; A. B., Brigham Young University, 1934; Graduate Work in Music, New England Conservatory of Music; Director, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal Art, L. D. S. School of Music and Weber College, 1916-18; Instructor in Music, Chicago Musical College, Summers of 1927-28; Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920—.

THOMAS L. MARTIN................................Professor of Agronomy

A. B., Brigham Young University, 1912; Ph. D., Cornell University, 1919; Study in Europe, 1930; Principal, Big Horn Academy, 1912-15; Emery Stake Academy, 1916-17; Millard Academy, 1919-21; Instructor in Soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921—.

HUGH M. WOODWARD....................Professor of Philosophy of Education, Dean of Summer Session

A. B., Brigham Young University, 1911; M. A., University of Utah, 1918; Ph. D., University of California, 1920; Principal, St. George Academy, 1911-14; President Dixie Normal College, 1914-20; Professor of Education, University of Washington, Summer of 1925; Professor on University Afloat, 1928-29; Professor of Philosophy of Education, Brigham Young University, 1921—; Dean of Summer Session, Brigham Young University, 1921-27; 1930—.

WILLIAM J. SNOW..**Professor of History**

A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Principal, Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor of History, 1917—.

T. EARL PARDOE..**Professor of Speech**

Graduate of Leland Powers School, 1913; A. B., Brigham Young University, 1925; M. A., University of Southern California, 1932; Graduate Work, Columbia University; Speech Correction, University of Southern California; Head of Department of Dramatic Art and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor of Speech, 1922—.

M. WILFORD POULSON..........................**Professor of Psychology**

A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate Work, University of Chicago, two years from 1916 to 1925; Assistant Professor of Education, Brigham Young University, 1916-19; Associate Professor of Education, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

VASCO M. TANNER.........**Professor of Zoology and Entomology**

A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head of Department of Biology, Dixie College, 1916-18, 1920-24; Professor of Zoology and Entomology, Brigham Young University, 1925—.

HERALD R. CLARK..................**Professor of Finance and Banking**
Dean of the College of Commerce

A. B., Brigham Young University, 1918; M. B. A., University of Washington, 1924; Graduate Work, Ohio State University; Instructor in Accounting, Brigham Young University, 1913-17; Assistant Professor of Finance and Banking, 1917-27; Associate Professor of Finance and Banking, 1927-28; Professor, 1928—; Dean College of Commerce, 1934—.

PARLEY A. CHRISTENSEN........................**Professor of English**

B. S., Utah Agricultural College, 1914; A. M., Stanford University, 1925; Ph. D., Stanford University, 1927; Assistant Professor of English, Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor of English, Brigham Young University, 1927-28; Professor, 1928—.

G. OTT ROMNEY....................**Professor of Physical Education and Director of Athletics**

A. B., University of Utah, 1912; M. A., University of Utah, 1913; B. S., Montana State College, 1916; Graduate Work, Harvard University, Graduate School of Business Administration; Athletic Coach and Instructor, Billings (Montana) High School, 1916-1918; Director Physical Education and Athletic Coach, East Salt Lake High School, 1919-1922; Director of Athletics, Professor of Physical Education and Vice-Dean of Men, Montana State College, 1922-28; Instructor (History, Government, Economics) Montana State Normal College, Summers of 1926-27-28; Professor of Physical Education and Director of Athletics, Brigham Young University, 1928—.

GERRIT de JONG, JR.................**Professor of Modern Languages**
Dean of College of Fine Arts

A. B., University of Utah, 1920; M. A., 1925; Ph. D., Stanford University, 1934; Graduate work, National University of Mexico; University of Munich; Stanford University; Instructor Murdock Academy, 1916-18; Instructor, Latter-day Saints University, 1919-25; Associate Professor of Modern Languages, Brigham Young University, 1925-29; Professor 1929—; Dean of College of Fine Arts, Brigham Young University, 1925—.

LOWRY NELSON............**Professor of Rural Social Economics**
Dean College of Applied Science
Director of Extension Division

B. S., Utah Agricultural College, 1916; M. S., University of Wisconsin, 1924; Ph. D., University of Wisconsin, 1929; Director of Extension Division, Brigham Young University, 1921—; Assistant Professor of Sociology, 1924-27; Associate Professor of Sociology, 1927-29; Professor of Rural Social Economics and Dean of College of Applied Science, Brigham Young University, 1929—.

GEORGE H. HANSEN........**Professor of Geology and Geography**

B. S., Utah Agricultural College, 1918; M. S., George Washington University, 1925; Ph. D., George Washington University, 1927; Field Work with U. S. Geological Survey, Summers of 1918, 1925, 1926 in Utah, Colorado and New Mexico; Assistant Professor of Geology and Geography, Brigham Young University, 1927-29; Professor of Geology and Geography, 1929—.

ELMER MILLER..**Professor of Economics**

A. B., Stanford University, 1914; Graduate work, Stanford University; University of Chicago; University of California; Instructor Dixie Normal College, 1911-12; Superintendent Alpine School District, 1922-25; Associate Professor of Economics, Brigham Young University, 1923-29; Professor of Economics, 1930—.

MILTON MARSHALL......................................**Professor of Physics**

A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor of Physics, Brigham Young University, 1919-21; Assistant Professor, 1924-27; Associate Professor, 1927-30; Professor, 1930—.

GUY C. WILSON....................**Professor of Religious Education**

B. Pd., Brigham Young University, 1900; Graduate work, Brigham Young University, University of Utah, University of Chicago, Columbia University; Instructor, Brigham Young University, 1896-97; Principal Juarez Stake Academy, 1897-1912; Teacher of Granite Seminary, 1913-15; President Latter-day Saints University, 1915-26; Supervisor of Religious Education, 1926-30; Professor of Religious Education, Brigham Young University, 1930—.

BENT F. LARSEN..**Professor of Art**

A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Graduate work, University of Chicago, Art Institute of Chicago, Academie Julian, Paris, Academie Colarossi, Paris, Academie de La Grande Chaumiere, Paris; Student in Europe for sixteen months, 1929-30, with George Elmer Brown Art Group and in the Academie Andre' L'Hote; Supervisor of Art, B. Y. U. Training School, 1908-12; Associate Professor of Art, 1912-1931; Professor of Art, 1931—.

LEROY J. ROBERTSON..................................**Professor of Music**

Graduate of New England Conservatory of Music, 1923; A. B., Brigham Young University, 1932; M. A., Brigham Young University, 1932; Study in Europe, 1932-33; Instructor of Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor of Music, 1927-31; Professor of Music, 1931—.

HARRISON R. MERRILL..........................Professor of Journalism

B. S., Utah Agricultural College, 1916; M. S., Pulitser School of Journalism, Columbia University, 1930; Graduate work, Utah Agricultural College, Brigham Young University, Medill School of Journalism, Northwestern University, 1927; Instructor in English, Oneida Academy, 1912-20; Instructor in English, Brigham Young University, 1921-23; Assistant Professor, 1923-29; Associate Professor of English, 1930-31; Professor of Journalism, 1931—.

FRANKLIN MADSEN..Professor of Music

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; from the Chicago Musical College: Graduate Diploma, 1925; Teachers' Certificate in Vocal Art and Singing, 1927; B. M., 1926; M. M., 1927; B. M. E., 1928; Mus. Doc., 1929; M. M. E. (Master of Music Education), 1932; Honorary Doctor of Music Education from Bogulawski College of Music, 1933; Instructor Chicago Musical College, Summers of 1927-32, and the winter of 1927-28; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924-30; Associate Professor of Music, 1930-31; Professor of Music, 1931—.

ASAEL C. LAMBERT..................................Professor of Educational Administration

B. S., Brigham Young University, 1925; M. S., 1926; Graduate work, Stanford University; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal, University High School, 1926-28; Assistant Professor of Secondary Teaching, 1927-32; Associate Professor, 1932-34; Professor of Educational Administration, 1934—.

LAVAL S. MORRIS............Professor of Landscape Architecture

B. S., Utah Agricultural College, 1923; M. S., Michigan State College, 1926; Graduate work, University of Southern California, Cornell University, Harvard 1930-33; Instructor in Horticulture, Brigham Young University, 1923-26; Assistant Professor, 1926-31; Associate Professor, 1931-34; Professor of Landscape Architecture, 1934—.

GEORGE STEWART....................**Special Professor of Agronomy**

B. S., U. S. A. C., 1913; M. S., Cornell University, 1918; Ph. D., University of Minnesota, 1926; Professor of Agronomy, U. S. A. C., 1919-1930; Senior Ecologist, Branch Research U. S. Forest Service, 1930—; Special Professor of Agronomy, Brigham Young University, 1932—.

LLOYD L. CULLIMORE..**Medical Director**

B. S., University of Utah, 1922; M. D., George Washington Medical College, 1925; Instructor in Physiology, George Washington Medical College, 1925-26; Instructor in Health Education, Brigham Young University, 1927; Assistant Medical Director, 1928-29; Medical Director, 1929—.

L. WESTON OAKS...............................**Associate Medical Director**

M. D., Jefferson Medical College, 1919; Graduate work, Colorado Congress Otolaryngology, Denver, Summers of 1923, 1924, and 1925; Assistant Medical Director, Brigham Young University, 1924-1925; Medical Director, 1925-29; Associate Medical Director, 1929—.

HORACE G. MERRILL.......................**Associate Medical Director**

A. B., Brigham Young University, 1914; M. D., Jefferson Medical College, 1908; F. A. C. S., American College of Surgeons, 1922; Graduate work, University of Edinburgh, University of Pennsylvania; North Chicago Hospital; Associate Medical Director, Brigham Young University, 1922—.

ROBERT SAUER.................................**Associate Professor of Music**

Graduate of Music School of Dresden, Germany; Student Siegel Meyer Music Conservatory of Chicago, 1905; Instructor of Music, Brigham Young University, 1905-20; Assistant Professor of Music, 1920-24; Associate Professor of Music, 1924—.

J. MARINUS JENSEN............ **Associate Professor of English**

A. B., Brigham Young University, 1912; M. A., University of Chicago, 1919; Graduate work, University of California, Stanford University, Columbia University; Instructor in English, Brigham Young University, 1910-19; Assistant Professor of English, 1919-21; Associate Professor, 1921—.

JOSEPH SUDWEEKS..................................**Associate Professor of Educational Administration**

B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-23; Assistant in Department of Education, University of Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.

CLARENCE S. BOYLE.............**Associate Professor of Accounting and Business Administration**

B. S., Brigham Young University, 1924; M. S. in Retailing, New York University, 1926; Graduate work, New York University, 1926-27; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927—.

EFFIE WARNICK.........**Associate Professor of Home Economics**

B. S., Utah Agricultural College, 1914; Graduate work, Columbia University, University of California, University of Chicago; Instructor, Branch Agricultural College, 1914-15; Instructor in Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration, 1923-27; Assistant Professor, 1927-30; Associate Professor, 1930—.

WAYNE B. HALES ....**Associate Professor of Physics and Mathematics**

A. B., Brigham Young University, 1916; M. A., University of Utah, 1922; Ph. D., California Institute of Technology, 1926; Head of Physics and Mathematics Department, Ricks College, 1916-21; President Snow College, 1921-1924; Head of Physics Department, Weber College, 1926-30; Associate Professor of Physics, Brigham Young University, 1930—.

SIDNEY B. SPERRY....................................**Associate Professor of Religious Education**

A. B., University of Utah, 1917; M. A., University of Chicago, 1926; Ph. D., University of Chicago, 1931; Graduate work, American School of Oriental Research, Jerusalem, Palestine; Principal American Fork Seminary, 1922-24; Weber Seminary, 1924-25; Moroni Seminary, 1925-26; Pocatello Seminary and Institute, 1927-28; Director L. D. S. Institute, Moscow, Idaho, 1929-31; Associate Professor, Brigham Young University, 1932—.

A. REX JOHNSON....................**Associate Professor of Marketing**

B. S., Brigham Young University, 1924; M. A., George Washington University, 1931; Graduate work, University of Washington and George Washington University; Head of Business Department, Provo High School, 1921-22; Fielding Academy, 1922-23; Instructor in Office Practice, Brigham Young University, 1924-31; Assistant Professor of Economics, 1933-34; Associate Professor of Marketing, 1934—.

IDA SMOOT DUSENBERRY....................**Assistant Professor of Psychology**

B. Pd., Brigham Young University, 1905; Graduate Chaurecey Hall College, Boston, 1908; Graduate Emerson College of Oratory, Boston, 1909; Graduate work, Pestalozzi Froebel House, Berlin Germany; Columbia University, University of Washington, University of California; Study in Europe, 1919-20; Director of Kindergarten Training, Brigham Young University, 1910-21; Assistant Professor, Floating University, 1930-31; Assistant Professor of Psychology, Brigham Young University, 1921—.

HERMESE PETERSON..........................**Assistant Professor of Elementary Education**

B. S. Brigham Young University, 1928; Graduate work, Brigham Young College, Utah Agricultural College, Columbia University, University of Utah, University of California, University of Chicago; Primary Supervisor of Alpine School District, 1908-12; Study in Europe, 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923—.

WILLIAM H. BOYLE...................................**Assistant Professor of Elementary Education**

A. B., Brigham Young University, 1913; M. A., 1923; Graduate work, University of California, University of Southern California; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Education, 1923—.

WILLIAM H. SNELL.........**Assistant Professor of Mechanic Arts**

A. B., Brigham Young University, 1918; Graduate work, Bradley Polytechnic Institute, Brigham Young University; Instructor in English, Brigham Young University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921—.

EMMA BROWN....**Assistant Professor of Elementary Education**

B. S., Columbia University, 1924; M. A., Columbia University, 1934; Graduate work, University of Chicago; Study in Europe, 1928; Critic Teacher, University of Utah, 1908-10; Primary Supervisor, Box Elder County, 1913-15; Nebo School District, 1917-22; Primary Supervisor, Brigham Young University Training School, 1923-25; Assistant Professor of Elementary Education, 1925—.

ED. M. ROWE..................................**Assistant Professor of English**

A. B., Brigham Young University, 1923; Graduate work, Utah Agricultural College, Brigham Young University, University of Chicago, University of Wales, 1931-33; Principal Spanish Fork High School, 1910-12; Instructor in English, Brigham Young University, 1924-27; Assistant Professor, 1927—.

CHARLES J. HART....................**Assistant Professor in Physical Education and Athletics**

B. S., Utah Agricultural College, 1922; M. A., New York University, 1932; Graduate work, Utah Agricultural College, University of Wisconsin; Instructor Teton High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young University, 1925-27; Assistant Professor, 1927—.

EDGAR M. JENSON............**Assistant Professor of Educational Adminstration, Director of Training Schools**

A. B., Brigham Young University, 1916; M. A., Brigham Young University, 1919; Graduate work, Stanford University; Head of Department of Education, Dixie College, 1919-1923; President Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor in Educational Administration and Principal University High School, 1928—; Director of Training Schools, 1930—.

WILMA JEPPSON....................Assistant Professor of Physical Education for Women

B. S., Brigham Young University, 1927; M. S., Columbia University, 1930; Graduate work: University of California, University of Wisconsin, Columbia University, New York University; Study Tour of Europe, 1932-33; Instructor in Physical Education for Women, Brigham Young University, 1923-30; Assistant Professor, 1930—.

ALONZO J. MORLEY*....................Assistant Professor of Speech

A. B., Brigham Young University, 1925; M. A., Brigham Young University, 1931; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department, Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1928-30; Assistant Professor, 1930—.

WILLIAM F. HANSON....................Assistant Professor of Music

Music Diploma, Brigham Young University, 1907; Teacher's Certificate, Chicago Musical College, 1924; Private work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch, and H. B. Maxyott, 1924; Supervisor High School Music, Vernal, 13 years; Supervisor Public School Music, Brigham Young University, 1924-25; Instructor in Music, 1926-31; Assistant Professor, 1931—.

H. GRANT IVINS........Assistant Professor of Animal Husbandry

B. S., Utah State Agricultural College, 1917; Instructor in Animal Husbandry, Brigham Young University, 1929-31; Assistant Professor, 1931—.

KARL E. YOUNG............................Assistant Professor of English

B. S., Utah State Agricultural College, 1924; B. A. and M. A., Oxford University, 1934; Graduate work at Harvard University; Instructor in English, Brigham Young University, 1930-31; Assistant Professor of English, 1932—.

JOSEPH K. NICHOLES............Assistant Professor of Chemistry

A. B., Brigham Young University, 1916; M. A., Stanford University, 1924; President Dixie College, 1919-23, and 1926-33; Assistant Professor of Chemistry, Brigham Young University, 1933—.

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*On leave of absence.

RUSSELL SWENSON..................................Assistant Professor of Religious Education

A. B., Brigham Young University, 1931; M. A., University of Chicago, 1931; Ph. D., University of Chicago, 1934; Principal L. D. S. Seminary, Mesa, Arizona, 1926-27; Principal L. D. S. Seminary at Kamas, Utah, 1927-28; Principal L. D. S. Seminary at Hurricane, 1928-30; Assistant Professor of Religious Education, Brigham Young University, 1933—.

SETH T. SHAW.....................Assistant Professor of Horticulture

B. S., Utah State Agricultural College, 1931; M. A., Utah State Agricultural College, 1932; Instructor in Horticulture, Brigham Young University, 1931-34; Assistant Professor, 1934—.

JOHN E. HAYES...Registrar

B. S., Brigham Young University, 1924; Instructor, Brigham Young University, 1903—; Registrar, 1904—.

ANNA OLLORTON..Librarian

A. B., Brigham Young University, 1913; Graduate work, University of Chicago, University of Utah, Chautauqua Summer School, Columbia University; Assistant Librarian, Brigham Young University, 1919-23; Acting Librarian, 1923-31; Librarian, 1931—.

ANNIE L. GILLESPIE....................................Library Cataloguer

Principal West School, Provo, 1883-84; Assistant Librarian, Brigham Young University, 1906-11; Librarian, 1912-23; Cataloguer, 1923—.

KIEFER B. SAULS.............................Secretary to the President Purchasing Agent

B. S., Utah State Agricultural College, 1920; Graduate work, Utah State Agricultural College; Secretary to Director, Utah Agricultural Experiment Station, 1917-21; Secretary to President and Purchasing Agent, Brigham Young University, 1921—.

NETTIE NEFF SMART...Dean of Women

B. S., Brigham Young University, 1933; Student, Cornell University, 1907-09; Instructor Brigham Young University Training School, 1904-05; Instructor, Provo High School; Dean of Women, 1925—.

PERCIVAL P. BIGELOW................Instructor in Auto Mechanics

Student University of Michigan, Brigham Young University; Head Mechanic, Utah Packard Motor Company, 1916; Foreman, Superior Motor Co., 1917-18; Mechanic, Hudson Motor Car Company, Detroit, 1919; Instructor in Auto Mechanics, Brigham Young University, 1919—.

BERTHA ROBERTS....................................Instructor in French

A. B., Brigham Young University, 1926; Student, Durango Business College, University of Utah; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919-33; Instructor in French, 1934—.

NEWBURN I. BUTT....................Library and Research Assistant

B. S., Utah Agricultural College, 1915; Graduate work, Utah State Agricultural College; Assistant Agronomist, Utah Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922—.

ELSIE C. CARROLL*.....................................Instructor in English

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1928; Student, Cornell University, University of Chicago, Stanford University; Head of English Department, Kanab High School, 1917-18; Provo High School, 1919-20; Instructor in English, Brigham Young University, 1926—.

STELLA P. RICH..Instructor in English

B. S., Brigham Young University, 1926; Instructor in the Public Schools of Utah and Idaho, 1911-1927; Student, University of Chicago; Instructor in English, Brigham Young University, 1927—.

HUGH W. PETERSON...............................Instructor in Chemistry

A. B., 1916; M. A., 1928, Brigham Young University; Graduate work, University of Utah, Utah State Agricultural College, State University of Iowa; Teacher in High Schools of Wyoming and Utah, 1917-27; Instructor in Chemistry, Brigham Young University, 1927—.

ELLA LARSEN BROWN................................Assistant Librarian

Student Cook County Normal School; Columbia University; Primary Supervisor, Utah County Schools, 1900-1902; Director, Brigham Young University Training School, 1902-1908; Assistant Librarian, Brigham Young University, 1923—.

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*On leave of absence.

FRED W. DIXON..**Instructor in Physical Education and Athletics**

B. S., Brigham Young University, 1926; Instructor in Physical Education and Athletic Director at Weber County High School, 1926-28; Graduate work, Utah Agricultural College; Instructor in Physical Education and Athletics, Brigham Young University, 1928—.

C. LAVOIR JENSEN.............................**Instructor in Mathematics**

Student Brigham Young College and University of Utah; Instructor, Logan High School, 1915-16; Principal, Midvale Schools, 1917-21; Instructor, Brigham Young University High School, 1921—.

GRACE NIXON STEWART............................**Instructor in Speech**

B. S., Brigham Young University, 1921; Student, Leland Powers School of Spoken Word, Rice School of Speech, Oxford University, England, London University, London Royal Academy; Special Instructor in Speech, Brigham Young University, 1928-34; Instructor in Speech, 1934—.

GLADYS D. BLACK..**Instructor in English**

Ph. B., University of Chicago, 1924; M. A., Columbia University, 1930; Instructor in English, Provo High School, 1924-26; Instructor in English, Central High School, Springfield, Illinois, 1927-28; Instructor in English, Brigham Young University, 1928—.

BILLIE HOLLINGSHEAD.....................**Instructor in Mathematics**

A. B., Texas State College for Women, 1922; M. A., Brigham Young University, 1929; Graduate work, Columbia University, University of Southern California; Instructor in Valdez High School, Valdez, Alaska, 1922-23; Instructor in Star Valley High School, 1924-26; Instructor in Kohala High School, Kohala, Hawaii, 1927-28; Instructor in Brigham Young University High School, 1929—.

CARMA BALLIF....**Instructor in Physical Education for Women**
Assistant in Secretary's Office

B. S., Brigham Young University, 1927; Graduate work, University of Wisconsin; Assistant in Secretary's Office, 1927—; Instructor in Physical Education for Women, 1934—.

MARGARET SUMMERHAYS........................**Instructor in Music**

Graduate of New England Conservatory of Music, 1916; Student of Frederick H. Haywood, Mme. Sophie Cehanovske, Edmund G. Meyer; Special Instructor in Music at Brigham Young University, 1927-29; Instructor in Music, 1930—.

MARGARET SWENSEN................**Instructor in Home Economics**

B. S., Brigham Young University, 1926; Instructor in Richfield High School, 1926-29; Instructor in Brigham Young University, 1929—.

W. ELMO COFFMAN....................................**Instructor in Science**

B. S., Utah State Agricultural College, 1920; M. S., Brigham Young University, 1932; Graduate work, Brigham Young University, University of Utah; Instructor in Payson High School, 1920-21; Instructor in Springville High School, 1921-28; Principal, Minersville High School, 1928-29; Instructor in Science, Brigham Young University, 1929—.

EDNA SNOW..**Instructor in Science**

B. S., Brigham Young University, 1924; M. S., Brigham Young University, 1931; Graduate work, University of California; Instructor in Science, Brigham Young University, 1929—.

OA LLOYD..**Instructor in Office Practice**

Assistant in Office Practice, Brigham Young University, 1928-30; Instructor, 1931—.

C. LYNN HAYWARD...................................**Instructor in Zoology**

B. S., Brigham Young University, 1927; M. S., Brigham Young University, 1931; Instructor in Fielding High School, 1927-30; Assistant in Zoology, Brigham Young University, 1930-31; Instructor, 1931—.

BERTRAND F. HARRISON...........................**Instructor in Botany**

B. S., Brigham Young University, 1930; M. S., Brigham Young University, 1931; Graduate work, University of Chicago; Assistant in Botany, Brigham Young University, 1930-31; Instructor in Botany, 1931—.

J. KNIGHT ALLEN*..................**Instructor in Accounting and Busines Administration**

B. S., Brigham Young University, 1926; M. B. A., Stanford University, 1930; Special Instructor in Brigham Young University, 1930-31; Instructor in Accounting and Business Administration, 1931—.

GUSTAVE BUGGERT..................................**Instructor in Music**

Graduate of Music School of Madgeburg, Germany; Instructor in Music, Brigham Young University, 1930—.

MAY BILLINGS...........................**Instructor in Home Economics**

B. S., Brigham Young University, 1933; Student of Columbia University, Utah State Agricultural College, University of California, Colorado Agricultural College, University of Utah; Instructor in Clothing, Latter-day Saints University, 1920-31; Instructor in Home Economics, Brigham Young University, 1932—.

ALINE COLEMAN SMITH........**Instructor in Physical Education for Women**

B. S., Brigham Young University, 1933; Graduate work, University of Wisconsin; Assistant in Physical Education for Women, Brigham Young University, 1929-32; Instructor, 1932—.

CARLTON CULMSEE..................**Instructor in Journalism and Secretary Extension Division**

B. S., Brigham Young University, 1932; Graduate work, University of Southern California; Secretary, Extension Division, 1932; Instructor in Journalism, Brigham Young University, 1933—.

BEULAH STRICKLER..................**Instructor in Office Practice**

B. S., Brigham Young University, 1932; Instructor in Office Practice, Brigham Young University, 1933—.

ALVA JOHANSEN.................................**Instructor in Chemistry**

A. B., Brigham Young University, 1931; M. S., Brigham Young University, 1934; Assistant in Chemistry, Brigham Young University, 1931-1934; Instructor in Chemistry, 1934—.

IRENE S. BARLOW......................**Instructor in Home Economics**

B. S., Utah State Agricultural College, 1919; Graduate work, University of Chicago; Instructor in Home Economics, Brigham Young University, 1934—.

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*On leave of absence.

GOLDEN L. WOOLF..................................Instructor in Languages
A. B., Brigham Young University, 1934; Instructor in Languages, Brigham Young University, 1934—.

WILFORD D. LEE..Instructor in English
A. B., Brigham Young University, 1934; Instructor in English, Brigham Young University, 1934—.

HELEN CANDLAND.....................................Instructor in English
A. B. Brigham Young University, 1924; Graduate work: Brigham Young University, University of Utah, Columbia University; Instructor in English, Bingham High School, 1926-1933; Instructor in English, Brigham Young University, 1934—.

RHODA J. YOUNG ....University Nurse
R. N., Latter-day Saints Hospital, Idaho Falls, 1928; B. S., Brigham Young University, 1934; University Nurse, 1932—.

JOHN WING..Assistant in Chemistry
B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1934; Assistant in Chemistry, Brigham Young University, 1931—.

BARR MILLER..............................Assistant in Treasurer's Office
B. S., Brigham Young University, 1934; Assistant in Treasurer's Office, Brigham Young University, 1934—.

O. MEREDITH WILSON..................................Assistant in History
A. B., Brigham Young University, 1934; Assistant in History, Brigham Young University, 1934—.

ERNEST YOUNG...Assistant in Spanish
Instructor in Juarez Stake Academy, 1928-33; Assistant in Spanish, Brigham Young University, 1934—.

TRAINING SCHOOL FACULTY

MAY C. HAMMOND, B. S., Instructor in Elementary Training School.

BARBARA MAUGHN, B. S., Instructor in Elementary Training School.

GLADYS KOTTER, B. S., Instructor in Elementary Training School.

GEORGIA MAESER, B. S., Instructor in Elementary Training School.

JENNIE CAMPBELL, B. S., Instructor in Elementary Training School.

THELMA LUDLOW, A. B., Instructor in Elementary Training School.

HAZEL CLYDE WATKINS, M. A., Instructor in Kindergarten.

SPECIAL INSTRUCTORS

ELMER NELSON, Instructor in Piano.

HANNAH C. PACKARD, Special Instructor in Vocal Music.

GEORGE W. FITZROY, Special Instructor in Piano.

BRIGHAM T. HIGGS, Superintendent Buildings and Campus.

J. W. SAULS, Associate Superintendent Buildings and Campus.

KARL MILLER, Assistant Superintendent Buildings and Campus.

STANDING COMMITTEES

The President is ex-officio a member of all committees.

Admission and Credits—John E. Hayes, Lynn Hayward.

Aiding Graduates to Obtain Employment—A. N. Merrill, K. B. Sauls, the Deans.

Alumni Directory—A. R. Johnson.

Athletics—P. A. Christensen, G. O. Romney, J. W. Knight, H. R. Merrill, K. B. Sauls, H. Grant Ivins, President of Student Body, President of Alumni Association, C. L. Jensen, Manager of Athletics.

Attendance and Scholarship—W. H. Boyle, T. L. Martin, E. M. Rowe, May Billings.

Awards and Prizes—T. E. Pardoe, Franklin Madsen, C. J. Hart.

Campus—L. S. Morris, Seth Shaw, E. H. Eastmond, B. F. Harrison.

Care of Girls' and Women's Activities—Dean of Women, Margaret H. Eastmond, Effie Warnick, Hermese Peterson.

Catalogue and Other Quarterlies—E. H. Holt, J. E. Hayes, K. B. Sauls, N. I. Butt.

Debating—J. C. Swenson, Wm. J. Snow, Elmer Miller, T. E. Pardoe, O. M. Wilson.

Eligibility—Milton Marshall, H. Grant Ivins, J. E. Hayes.

Graduation—B. F. Cummings, Joseph Sudweeks, M. W. Poulson.

Lectures and Musicals—J. C. Swenson, Herald R. Clark.

Library—Alice L. Reynolds, M. W. Poulson, W. J. Snow, S. B. Sperry, Librarian.

Personnel—C. S. Boyle, Thos. L. Martin, Wm. J. Snow, A. C. Lambert, R. Swenson.

Petitions—H. M. Woodward, C. E. Maw, V. M. Tanner.

Publicity—L. Nelson, E. H. Holt, K. B. Sauls, H. R. Merrill, G. O. Romney, J. M. Jensen, Carlton Culmsee.

Schedule of Events—K. B. Sauls, G. de Jong.

Schedule of Classes—E. H. Holt, N. I. Butt.

Social Affairs—Elmer Miller, G. H. Hansen, Dean of Women, Wilma Jeppson, Karl E. Young, S. T. Shaw.

Social Units—G. H. Hansen, G. de Jong, A. Rex Johnson, Registrar, Dean of Women, Wilma Jeppson, and Student Representatives.

Student Accommodations—W. B. Hales, W. H. Snell, P. P. Bigelow, Dean of Women, Hugh W. Peterson.

Student Aid and Employment—A. Rex Johnson, Dean of Women, Kiefer B. Sauls.

Student Publications—C. Culmsee, E. H. Eastmond, B. F. Larsen.

Faculties of L. D. S. Institutes and Seminaries

COLLEGIATE INSTITUTES

	Teacher	Address
Logan Institute	T. C. Romney	Logan, Utah
Moscow Institute	G. S. Tanner	Moscow, Idaho
Pocatello Institute	J. W. Sessions	Pocatello, Idaho

SENIOR SEMINARIES

Seminary	Teacher	Address
American Fork	E. Ray Gardner	Am. Fork, Utah
Ammon	Lucius Clark	Idaho Falls, Idaho
Barnes, John R.	G. C. Ensign	Kaysville, Utah
	Anthon Cannon	Farmington, Utah
Bear River	Arthur Welling	Garland, Utah
	Alma W. King	Garland, Utah
Beaver	Wendell M. Rigby	Beaver, Utah
Bicknell	LeRoy B. Groberg	Bicknell, Utah
Blackfoot	G. Byron Done	Blackfoot, Idaho
Blanding	Wayne H. Redd	Blanding, Utah
Box Elder	Abel S. Rich	Brigham City, Utah
	J. P. Lillywhite	Brigham City, Utah
Burley	R. Golden May	Burley, Idaho
Castle Dale	N. L. Williams	Castle Dale, Utah
Cedar City	G. O. Larson	Cedar City, Utah
Delta	M. W. Moody	Delta, Utah
East Side	James E. Moss	Salt Lake City, Utah
Ephraim	N. E. Noyes	Ephraim, Utah
Escalante	Reed G. Probst	Escalante, Utah
South Emery	Pearson H. Corbett	Ferron, Utah
Franklin County	R. Lee Kenner	Preston, Idaho
	James DeBry	Preston, Idaho
Grace	Harold S. Nelson	Grace, Idaho
Grantsville	Heber D. Clark	Grantsville, Utah
Gunnison	J. Clayton Watts	Gunnison, Utah

Granite	F. K. Seegmiller	Salt Lake City, Utah
	James E. Moss	Salt Lake City, Utah
	M. D. Clayson	Salt Lake City, Utah
Hinckley	R. T. Hinckley	Hinckley, Utah
North Emery	D. G. Thomas	Huntington, Utah
Jordan	Carter E. Grant	Sandy, Utah
	D. Stanley Adams	Bountiful, Utah
	M. Lynn Bennion	Salt Lake City, Utah
Juab Stake	LeRoy Whitehead	Nephi, Utah
Kanab	William E. Berrett	Kanab, Utah
Lehi	H. Alvah Fitzgerald	Lehi, Utah
Logan	Ed. J. Passey	Logan, Utah
	L. R. Robinson	Logan, Utah
Lovell	Joseph S. Fish	Lovell, Wyoming
Lyman	Willis J. Lyman	Lyman, Wyoming
Malad	H. W. Lawrence	Malad, Idaho
	E. M. Chadwick	Malad, Idaho
Manassa-Sanford	Stanley E. Best	Sanford, Colorado
Manti	L. E. Anderson	Manti, Utah
Mesa	J. R. Wilkins	Mesa, Arizona
Midway	Ariel S. Ballif	Menan, Idaho
Millard	S. D. Moore, Jr.	Fillmore, Utah
Monroe	V. L. Israelson	Monroe, Utah
Montpelier	S. H. Spencer	Montpelier, Idaho
Morgan	C. Calvin Geary	Morgan, Utah
Moroni	Jos. W. Olsen	Moroni, Utah
Mt. Pleasant	A. H. Anderson	Mt. Pleasant, Utah
Murray	Frank W. McGhie	Murray, Utah
North Cache	E. M. Hicken	Richmond, Utah
	Ernest Frandsen	Richmond, Utah
North Sevier	S. Ross Hunt	Salina, Utah
North Summit	L. M. Norberg	Coalville, Utah
Nebo Stake	John F. Oleson	Payson, Utah
Oakley	J. Wayne Moss	Oakley, Idaho
Oquirrh	A. C. Nielsen	Salt Lake City, Uta
Panguitch	B. F. Hulme	Panguitch, Utah
Paris	Roy A. West	Paris, Idaho
Phoenix	May G. Kershaw	Phoenix, Arizona
Piute County	A. C. Reynolds	Circleville, Utah

Pocatello	Almon L. D. Brown	Pocatello, Idaho
Provo	J. A. Washburn	Provo, Utah
	Milton R. Hunter	Provo, Utah
Rexburg	H. L. Peterson	Rexburg, Idaho
Richfield	Newel K. Young	Richfield, Utah
Rigby	R. W. Roskelly	Rigby, Idaho
Roosevelt	Stanley R. Gunn	Roosevelt, Utah
Rupert-Heyburn	Jesse L. Roberts	Rupert, Idaho
Sharon Stake	V. C. Anderson	Provo, Utah
Shelley	Elwood B. Allred	Shelley, Idaho
Snowflake	William C. Smith	Snowflake, Arizona
South Cache	J. Karl Wood	Hyrum, Utah
	M. W. Smith	Salt Lake City, Utah
South Side	M. D. Clayson	Salt Lake City, Utah
South Summit	Silas L. Cheney	Kamas, Utah
Spanish Fork	E. Cecil McGavin	Spanish Fork, Utah
	Laura Shepherd	Provo, Utah
Springville	W. T. Tew, Jr.	Springville, Utah
Star Valley	Ernest R. Clark	Afton, Wyoming
St. Johns	Lorenzo B. Decker	St. Johns, Arizona
Eager	B. Alva Maxwell	Eager, Arizona
Sugar City	Leon M. Strong	Sugar City, Idaho
Teton Stake	Robert Gibbons	Driggs, Idaho
Timpanogos Stake	Hyrum P. Jones	Pleasant Grove, Ut.
Tooele	LeRoi Bentley	Tooele, Utah
Ucon	Grant M. Andrus	Ucon, Idaho
Vernal	H. Grant Vest	Vernal, Utah
Wasatch	D. A. Broadbent	Heber City, Utah
Weber	F. G. Eyre	Ogden, Utah
	Elmer Peterson	Ogden, Utah
West Side	Daryl Chase	Salt Lake City, Utah
	Eugene Hinckley	Salt Lake City, Utah
Zion Park	A. Noble Kimball	Hurricane, Utah

Historical

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter-day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter-day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings. The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing $75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees.

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this building was undertaken voluntarily by Reed Smoot, a member of the Board of Trustees.

The Training School Building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the nearby stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was $112,000.00. "Uncle" Jesse Knight contributed liberally to the Alumni Association in this project. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill, was erected in 1925.

The last three named buildings were built by Church appropriations.

Campus. The first campus of the school was limited to a small playground back of the building which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904, steps were taken to acquire land on this site. A purchase of seventeen acres was made from Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area comprising the present campus of seventy-five acres, was purchased by the University, following a movement initiated by the Alumni Association.

Administration. The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. Dr. Karl G.

Maeser served as principal until 1891, when he was called to the general superintendency of Church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus. On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921.

Educational Growth. The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four years college courses.

Master degrees have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School of Education, and the School of Arts and Sciences was established.

During 1921 a college of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a college of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Foods and Nutrition, Horticulture, Household Administration, Textiles and Clothing, and Woodwork.

On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music and Speech.

During the year 1928-1929 the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School.

University Credits Recognized. The Brigham Young University is on the list of approved colleges of the Association of American Universities. It is also a member of the Northwest Association of Secondary and Higher Schools, the American Council on Education, and the Association of American Colleges.

ORGANIZATION

The Brigham Young University as now organized comprises:

1. **A College of Applied Science**
2. **A College of Arts and Sciences**
3. **A College of Commerce**
4. **A College of Education**
5. **A College of Fine Arts**
6. **A Graduate School**
7. **An Extension Division**
8. **A Research Division**

Elementary and Secondary Training Schools are maintained in connection with the College of Education.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration
Agronomy
Animal Husbandry
Art

Botany
Chemistry
Economics
Educational Administration
Elementary Education
English
Finance and Banking
Geology and Geography
History
Home Economics
Horticulture
Landscape Architecture
Library
Marketing
Mathematics
Mechanic Arts
Modern and Classical Languages
Music
Office Practice
Physical Education
Physics
Political Science
Philosophy of Education
Psychology
Religious Education
Secondary Education
Sociology
Speech
Zoology and Entomology

UNIVERSITY FEES

College and Graduate Students:

Registration fee for full year if paid at beginning of Autumn quarter	$70.00
Registration fee for less than the full year, the quarter	25.00
Withdrawal deposit	1.00
Student activity fee, each quarter	5.00
(Or $12.50 for the year if paid in advance)	
A gymnasium service fee, each quarter	1.00

Secondary Training School:

Senior High School—10th, 11th, 12th grades, the year	$20.00
Activity fee	3.00
Gymnasium service fee, the year	.50
Junior high school—7th, 8th, 9th grades	10.00

Elementary Training School:

1st to 6th grades, the year	$10.00

Special Fees:

Late registration (after first week of each quarter)	$ 2.00
Special students (eight credit hours or less), for each hour	2.50
Special examinations, for each hour	2.50
(Provided the maximum fee in any one subject shall not exceed $20.00)	
Graduation:	
Degree	$10.00
Diploma	5.00

Special fees are charged for private instruction in Vocal and Instrumental Music, Speech, and some special courses in Art.

Breakage deposit is required in the department of Chemistry, and special laboratory fees in Bacteriology, Photography, Soil Fertility and Zoology. A special fee of $5.00 is charged those who elect Secondary or Elementary Training.

STUDENT EXPENSES

The cost of books varies from $5.00 to $10.00 a quarter, depending upon the number and the nature of the courses elected.

Board and room in private homes costs from $3.50 to $5.50 per week. By renting rooms and boarding themselves, students are able to reduce considerably the cost of room and board. In some cases it has been reduced to $10.00 a month.

If students desiring assistance will call on the Students' Accommodation Committee when they arrive in Provo, they will be directed to the kind of place they wish. When students desire to change boarding places, they are expected to call on and notify the chairman of this committee.

The University insists that boys and girls be housed separately. The boarding houses are inspected to see that accommodations are satisfactory. The University maintains a Cafeteria, where students may secure the noon meal at cost.

REFUNDS

No refunds will be granted to students who are requested to withdraw from the University because of scholarship or any other cause.

All students when paying fees are given official receipts from the Secretary's Office. These receipts must be presented before refunds are allowed. The students, therefore should exercise care that the receipts are not lost or mislaid.

All fees except $5.00 will be refunded to any student in residence who withdraws during the first week of the quarter. One-half of all fees paid will be refunded to any student in residence who withdraws during the second or third week of the quarter. No refunds will be allowed after the third week.

ENDOWMENTS

The Jesse Knight Endowment Fund. On December 21, 1914, the late Jesse Knight made an endowment to the University of one hundred thousand dollars in six percent bonds. The interest payments on these bonds, together with the payments on bonds which have matured, have been placed at interest, and the cash credit on this account now represents approximately twice the amount of the original endowment.

The Brigham Young University Permanent En-

dowment Fund. June 4, 1929, the B. Y. U. Associated Alumni initiated a **permanent endowment fund** for the University. Some very generous contributions and subscriptions were made at this alumni reunion, and the work of building such an endowment has been carried forward by the alumni and school officials with very gratifying results. Members of the graduating classes since that time have shown a remarkably loyal spirit by subscribing to this fund an average of one hundred dollars each.

LOAN FUNDS

The Emmeline B. Wells Relief Society Loan Fund. In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work. The lending of this fund is under the supervision of the Deans' Council.

Student Loan Fund. The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augmented each year, the Sophomore class assuming the responsibility for making an annual addition. The lending of this fund is under the supervision of the Deans' Council.

Harmon Foundation Student Loan Fund. The Brigham Young University has been chosen by the Harmon Foundation as one of the limited number of colleges in the United States whose students may receive assistance in financing their education. Juniors and Seniors, up to a given number each year, may borrow money from this fund. The Harmon Foundation is a strong financial organization now rendering financial assistance to students in many of the colleges in the United States. A faculty committee represents the University in making these loans.

Gamma Phi Omicron Loan Fund. The Home Economics Club of the University (Gamma Phi Omicron) has established a loan fund to assist students of the Home Economics department. The lending of this fund is under the supervision of the Deans' Council.

Alpha Kappa Psi Loan Fund. The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce. The lending of this fund is under the supervision of the Deans' Council.

Federation of Women's Clubs Loan Fund. The First District Federation of Women's Clubs of Utah has established a loan fund to be lent to the senior girls of the University. The lending of this fund is under the supervision of the Dean's Council.

ASSOCIATED STUDENTS

General Organization. This organization is composed of all students who attend Brigham Young University and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a more democratic "Y" spirit, and to furnish opportunities for all students to participate in those activities which interest them most. Through this organization, student traditions are kept alive. All interclass and intercollegiate activities are encouraged and unified by this organization. Forensic, dramatic, and music activities are fostered by and are under its management and through it the students publish the school periodicals and also the University year book, the "Banyan." The organization also functions as an auxiliary of the school discipline.

Associated Women Students. This is an organization comprised of all girls registered in the institution. Its purposes is to aid and foster all girls' activities. This organization is also a member of the Western Division of the National Organization of Associated Women Students, which includes practically all of the universities and colleges in the United States.

The Presidents Club. This club is composed of the presidents of all clubs, units, classes or any other student organization upon the campus. Its purpose is to keep union and harmony in student activities by keeping the organizations united, and to maintain a student union, rather than cliquishness, and club consciousness. The President of the Associated Students presides over it and calls the club together whenever it is thought advisable by the Student Council.

Block "Y" Club. An organization of students who have won a Block "Y" in intercollegiate athletic or forensic competition. Its purpose is to foster the traditions of the school, keep alive the athletic and forensic spirit, encourage a true spirit of sportsmanship and to meet visiting teams of athletes or debators and help to encourage friendly relations with their institutions.

CLUBS AND SOCIETIES

To enlarge the educational and social opportunities of the university, units, clubs, and societies are organized. In these groups, the spirit of the institution is fostered, and democracy is especially encouraged.

SOCIAL-UNIT ORGANIZATION

The University recognizes proper social development as one of the important by-products of college training. For many years this social opportunity has been provided through the class and club organizations of the institution, but in recent years these organizations have become too large to provide students with the intimate social contacts, and opportunities for leadership which are thought desirable.

To provide suitable opportunity for the fulfillment of this purpose the Social Unit Organization was adopted.

The plan provides that every student in the University shall belong to a social unit. These units include from twenty to thirty members, grouped on the basis of sex, social interest and congeniality. The whole scheme is democratically controlled by the Social-Unit Committee, which consists of members from faculty, classes, and other organized groups in the University. The Inter-Social-Unit Council, made up of representatives from each Social Unit, has jurisdiction over the internal affairs of the units, such as fees, costs of entertainments, etc.

The Social Units are doing much to keep alive the social ideals of the University and to perpetuate the democratic social traditions characteristic of the Student Body.

DEPARTMENTAL ORGANIZATIONS

This group of organizations has the specific purpose of bringing together persons of similar scholastic interests and of rendering their work more pleasurable and profitable. Each group will foster the activities of the department to which it is allied. The eligibility rules thereof will be such that any member of the department may qualify for membership by meeting the scholastic requirements imposed by the organization. The fees will be reduced to a minimum. Each organization will have a faculty advisor. The following departmental clubs and societies have been organized:

The "Ag" Club. This organization is open to all students of Agriculture, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Meetings are held every alternate Wednesday afternoon. Social functions in conjunction with the Home Economics department are featured during the year.

David Starr Jordan Biology Club. This club aims to develop interests in all forms of biological study and has, for its major project, the building of a library of natural science literature. Some 250 volumes have been collected by club members. The increasing animal and plant collections of the department and the new laboratory at Utah Lake, offer interesting material for new students. Outside of resident students, the membership consists of faculty members, alumni and prominent townspeople.

Delta Phi. An organization open to all male students who have done regular missionary work. Its purpose is to foster fellowship, missionary ideals, and sociability. Luncheons and programs are given during the school year at which prominent men of the Church and state are the principal speakers. This chapter is associated with like chapters at the Utah Agricultural College, Weber College, and the University of Utah.

Drama League. The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets weekly. It is affiliated with the Drama League of America.

French, Spanish, German, and Latin Clubs. Teachers and students interested in the study of French or Spanish or German or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign language is the medium of speech. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privileges are especially extended to people of the community of French, German, Spanish or Spanish-American birth.

Gamma Phi Omicron. (Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Home Economics Club. The club is organized to create a professional spirit among the students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economics courses are eligible for membership.

Graduate Club. This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of the Brigham Young University." A student becomes a member automatically upon registration in the graduate division.

Literary Club. The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

Psychology Club. An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

Studio Guild. This organization is for the benefit of students having special talent in any particular phase of fine art and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists' and of craftsmen's work are held under the auspices of this organization.

Young Commerce Club. This club is a student organization devoted to the development of good fellowship among the business students. Luncheons and programs are given at regular intervals during the school year at which prominent business and professional men of the inter-mountain country are the principal speakers. All students of the College of Commerce are eligible for membership.

Yeshara—Women's Missionary Club. An organization of women students who have been engaged in active missionary service. Its purpose is to preserve the missionary spirit among the students and alumnae of the University and to render help where possible to women missionaries in the field.

The "Y" Chemical Society. An organization consisting of students interested in the field of chemistry. Meetings are held every alternate week, at which time lectures dealing with the outstanding problems in chemistry, or material intimately connected with this field are given by authorities on the specific subjects. Various excursions to the outstanding institutions of scientific value and interest in the state are sponsored.

Geographical Clubs are organized for the furthering of social enjoyment and the establishing of bonds of sympathy between the school and the home.

NATIONAL FRATERNITIES

Theta Alpha Phi. National professional dramatic fraternity. Co-educational. The Utah Beta Chapter was installed at this institution in 1924. The purpose is to foster artistic achievement in all of the arts and crafts of the theater.

Tau Kappa Alpha. Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Alpha Kappa Psi. (Commerce.) (Beta Delta Chapter.) The purpose is to foster studies in commerce, encourage scholarship and association between members and the commercial world. Male College of Commerce students above freshman standing are eligible for membership.

Beta Beta Beta. (Phi Chapter). Installed January 31, 1931. An international honorary biological fraternity, which emphasizes a three-fold program: Sound scholarship; dissemination of scientific knowledge; and promptness of biological research. All junior and senior students having twenty-four hours of biological credit are eligible for membership.

Phi Delta Pi. Women's National professional physical education fraternity. Xi Chapter installed November 21, 1931. Its purpose is to stimulate professional and scholastic interest in physical education.

Blue Key. The Blue Key national honorary leadership fraternity was chartered at the Brigham Young University in the spring of 1932. Its purpose is to foster Student Body projects of merit which cannot well be handled by any other organization. It is an upper-classmen organization, the membership of which is fixed at from twelve to twenty active members.

NON-STUDENT ORGANIZATIONS

B. Y. U. Women's Organization. The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member, (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member; (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club. This club is organized to develop and maintain a closer co-operation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members original creation in music, literature, painting, etc.

SCHOLARSHIPS

Maria Y. Dougall Scholarship. A scholarship for girls, representing $30.00 awarded annually on the recommendation of Mrs. Maria Y. Dougall of Salt Lake City.

Eliza A. Wallacott Scholarship. A scholarship for girls representing $30.00 awarded annually through the recommendation of the President.

Van Wagenen Band Scholarship. For the encouragement of worthy students in the line of band music, Mr. Alma Van Wagenen of Provo has established an annual scholarship of $50.00.

Annual Commercial Contest Scholarships. Four scholarships are awarded to the winners of events in the Commercial contest for high school students held at the University each year.

Alpha Kappa Psi Scholarship Award. Alpha Kappa Psi Fraternity, Beta Delta Chapter of which is established in the College of Commerce, awards annually the Alpha Kappa Psi Scholarship Medallion to the male student of the junior class in commerce who possesses the highest scholastic average for three years' work taken in this university.

The Oscar B. Young Prize. An award of $50.00 given annually by Professor Kimball Young for the best essay on some phase of **Mormon Community Life.** The adjudication is under the supervision of the department of Sociology.

AWARDS

Students eligible for these awards must be duly registered and carrying successfully at least ten hours of University work.

Provo Chamber of Commerce Medal. The Provo Chamber of Commerce presents annually a gold medal to the most efficient student in the University, based upon scholarship, social status, and public service.

The Elsie Chamberlain Carroll Medal. Mrs. Elsie Chamberlain Carroll presents annually a gold medal to the student (girl) of the University writing the best short story.

The Adams Gold Medal. Mr. and Mrs. Walter Adams present annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is a stringed instrument.

The Taylor Gold Medal. Taylor Brothers Company presents annually a gold medal to the most efficient student being graduated from the Music department whose major instrument is the piano.

The Pardoe Gold Medal. Mr. and Mrs. T. Earl Pardoe present annually a gold medal for excellence in extemporaneous speaking.

The Kirkham Medal, a gift of Francis W. Kirkham, to those who win their state inter-collegiate debates.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

The Woolley Gold Medal. Miss Mary Woolley presents annually a gold medal to the student giving the best rendition of a dramatic reading.

The Stein Gold Medal. Mr. J. Edwin Stein offers annually a gold medal for the most efficient athlete. Efficiency is based upon the participation in athletics, scholarship, and social activity.

The R. R. Irvine Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

The Class of 1919 Gold Medal is awarded annually for excellence in vocal art.

The Noble Medal. Mrs. Hazel Noble Boyack offers annually a gold medal to the most efficient senior student enrolled in the Home Economics department. The selection of such student will be made by the faculty of the Home Economics department.

The Provo Drama Center, Mask Award. A prize of twenty-five dollars is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal. A gold medal awarded to the winner of an oratorical contest on some subject of international good will.

The E. H. Eastmond Gold Medal is awarded annually for the best painting or drawing of Mt. Timpanogos in any medium.

Studio Guild Medal. A gold medal is awarded annually by the Studio Guild for the best landscape painting done during the school year in any medium. Members of the Art department faculty and the officers of the Studio Guild make the selection.

Dramatic Service Awards. The Dramatic Art department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

Egbert Gold Medal. Miss Anna Egbert gives a gold medal for the most efficient debater each year. The award is made in honor of her father, Robert N. Egbert.

The Evans Competitive Acting Award. Mr. Edmund Evans offers annually a watch for the student, who, in the estimation of a group of judges plays the best sustained role in the annual competitive play.

The Evans Gold Medal. Mr. Edmund Evans offers annually a gold medal to the most efficient graduate in the Speech department. Efficiency is based upon participation in speech activities, social activity, and scholarship.

DISCIPLINE

The maintenance of standards of honor, Christian integrity, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The committee on attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours work will not be allowed to remain in the institution.

FUNCTION OF THE MEDICAL DIRECTOR

The principal function of the medical director is to conduct the physical examinations of the students and to look after the general health conditions of the school. In addition all students have the privilege of free consultation with him at his university office during schedule office hours, or by appointment. He will gladly respond to all calls to investigate the presence of contagious diseases, but he cannot assume the responsibility of furnishing free treatment for such cases, as is done in schools where the students pay a medical or hospital fee. However, if those students who are unable to pay for necessary service are reported, efforts will be made to see that they are taken care of. No charge will be made for first aid service to persons injured in athletic contests or other forms of school activities, except for material used.

DEAN OF WOMEN

The Dean of Women is charged with the general oversight of all women students, and is always ready to aid and advise them in matters pertaining to their university life. She will not only attend to the special needs of young women during school hours, but will use every precaution to see that they are properly cared for at their boarding places. All women students are required to leave a directory card with the Dean of Women when they register.

LIBRARY

The University Library contains more than 88,000 volumes and 50,000 pamphlets and bulletins. These publications cover all phases of human interest and offer opportunity to make intensive studies in almost any field of the sciences or arts. The library has for years been a Government Depository to receive all Government documents. These documents are all well classified and indexed. Besides the Government Documents the Library has nearly a complete set of all agricultural experiment station literature from every state in the Union. It regularly receives important state documents on education, history, politics and various other topics as they are issued by the different states, and is on the publication exchange lists of many of the colleges and universities of the United States and elsewhere. The Carnegie Institute of Washington, the Carnegie Peace Foundation, the Rockefeller Foundation, the General Education Board, the American Council on Education, the Milbank Memorial Fund, the Bell Telephone Laboratories and several of the large business organizations all supply technical and informative literature. The Library subscribes for such technical journals and magazines as are essential to a thorough college education, and it maintains its own book bindery.

Each year the Library strengthens itself along specialized lines through contributions of books to its special collections, of which the following are now being rapidly augmented:

B. Y. U. Women (Memorial) Collection—General
Brimhall Collection—Theology
Bennion Collection—Biography
C. H. Carroll—Medicine
Egbert Collection—Music
Heber J. Grant—General
Henning Collection—Archaeology
Hinckley Collection—Geology
Ivins Collection—The American Indian
Jordan Club Collection—Biology
Lund Collection—Music
McKay Collection—Education
Mask Club Collection—Dramatics
Nelke Collection—General Literature
Reynolds Collection—Literature
Smith (F. W.) Collection—Chemistry
Sorosis Club Collection (Memorial)—General
Spilsbury Collection—Home Economics
Whitaker Collection—Foreign Languages
Whitecotton Collection—
Widtsoe Collection—Agriculture

The Library is open each school day during the regular school year from 8 A. M., until 10 P. M.; on Saturday from 10 A. M., until 4 P. M.; and during the Summer Session from 7:30 A. M., until 9 P. M.

SPECIAL SCIENTIFIC AND ART COLLECTIONS

The Zoological and Entomological Collections of the University consist of a large series of identified invertebrate and vertebrate species of Utah and contiguous states.

The Entomological Collection consists of over 50,000 specimens; the Tom Spalding Collection of Utah lepidoptera, the Chester Van Buren Collection of South American Butterflies, some Weevils from the Blatchley Collection form important portions of this collection.

A complete series of the fish, amphibians, reptiles, birds and mammals of this region are to be found in the collection. The fish collection is especially rich in species and specimens from the intermountain region. There is also a collection of Hawaiian fish made by Dr. David Starr Jordan. Specimens of practically all the species of amphibians and reptiles of Utah and many species from various portions of the United States are in the collection. The bird collection consists of about 1,700 skins, 1,000 of which were collected in the Magdalena River Valley of South America by Chester Van Buren in 1901-03. This collection is being added to annually by means of collecting expeditions that are sent out to various parts of the Western United States.

An excellent collection of plants is maintained by the **Department of Botany.** This collection includes a representative series of algae, liverworts, mosses, ferns, and seed-plants. There is also a collection of seeds and a collection of diseased plants.

The herbarium of ferns and seed-plants is made up principally of plants collected throughout the Western states, but many species obtained through various exchange herbaria of other sections are included. There is also a collection of plants from Siberia, obtained by President F. S. Harris in 1929, as well as a small group of plants from South America.

The principal collection, made up of Western plants includes 125 families, 600 genera, and 1800 species, represented by over 5,000 specimens. The collection is being enlarged by means of plants, obtained on various collecting expeditions, plants obtained through the forest service, and various other sources.

The **Geological Collections** of the University consist of an unusually complete series of minerals and an interesting variety of fossils.

The minerals number many thousands and are representative of the great western mining districts together with hundreds of world localities of note. Part of this collection once represented the nucleus of the famous Deseret Museum collection of Salt Lake City.

The fossil series are representative of many western and typical world localities. Much of this material was also formerly a part of the Deseret Museum collection. The vertebrate collection is especially rich in original fossils and casts of the characteristic mammalian fauna that lived in the Western states during the immediate geologic past.

The **Archaeological** collections include a number of well prepared case exhibits of Utah Indian materials, including pottery, basketry, stone implements, wearing apparel and picture writings. It also includes a number of South Pacific Islands collections together with what is thought to be the finest South American collection of Indian pottery in the West.

The **Fine Arts** collection consists of paintings, sculpture and art prints. Early pioneer artists are represented as well as more recent and modern painters and sculptors. The collection comprises also noteworthy pieces done by such foreign artists as George H. Taggart and Louis Potter of Chicago, Lee F. Randolph of San Francisco, Pedro J. Lemos, Palo Alto, Calif., and the late Wm. Morris, London, England. The halls throughout the institution are graced by the collection instead of its being assembled in an art gallery.

GENERAL REQUIREMENTS FOR UNDERGRADUATE WORK

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. In no case shall fewer than twelve of the sixteen units be acquired during the last three years of high school. He must offer among his credits the following:

English	3 units
A principal group	3 or more units
A secondary group	2 or more units

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. At least one unit in Mathematics, either Algebra or Geometry, must be included in either the principal or the secondary group. If the principal group is from Mathematics and Science, the secondary group must be from History and Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar of the University.

In case a student is unable to furnish an official transcript of credits on or before the day of registration, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student. To become a candidate for a degree such student must meet the entrance requirements.

A student who has met the entrance requirements but who is carrying fewer than eight hours of work will be designated as a special student.

COURSE DIVISIONS

Undergraduate courses of study are divided into:
(a) Lower Division.
(b) Upper Division.

Lower Division courses are numbered in the catalogue from "1" to "49," Upper Division courses from "50" to "99." Graduate courses are given numbers above "100."

ELECTION OF STUDIES

The student, in electing his studies, should, with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable. The major and minor, as well as the general, requirement for graduation should be kept in mind in electing studies. Three hours credit in Physical Education are required of all Freshmen. Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card. Excess work taken by correspondence or extension classes not approved in this manner, will not be recorded for credit. Resident students of other institutions who apply for correspondence or extension class work, at this University, must have their proposed registration approved by the president of the institution in which they are registered. Students wishing to transfer correspondence credits from other institutions are subject to examination by the University department concerned.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean with the consent of the instructor advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree twelve hours in foreign language work. It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five hours credit and fewer than ninety at the beginning of the school year will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five at the beginning of the school year will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four hours credit at the beginning of the school year will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examination for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on credit.

An incomplete course of study must be completed during the next quarter of residence, provided the next quarter of residence is within one year; otherwise the course must be retaken in a class or a special examination taken to obtain credit.

A fee of $2.50 per credit hour is charged for special examinations, provided the total fee for any one subject does not exceed $20.00.

GRADUATION

GENERAL REQUIREMENTS

For a student to be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered. At the time of graduation each candidate must be properly registered in the University, and must have completed at least forty-five hours of work in residence.

The following graduation requirements apply to all candidates for a bachelor's degree from any of the colleges of the University:

Total amount of credit	186 hours
Requirement for a major	30 hours
Requirement for a minor	20 hours

Group Requirements:

Mathematics and Physical Science..	12 hours
Biology and Psychology...................	12 hours
Social Science	12 hours
English and Foreign Languages....	18 hours

Lower Division courses required:
English 1, 2, and 3.
Physical Education, four hours.

A candidate for a Bachelor of Arts degree is required to furnish 24 hours credit in a foreign language. Shopwork, shorthand and typing will not be credited towards the A. B. degree.

Not more than 28 hours of "D" grade credit will be applied towards graduation.

Students who expect to be graduated at the end of the spring quarter should file application with their dean not later than the beginning of the winter quarter. All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer Session and who have filed application for graduation not later than thirty days preceding the close of the spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation and a candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements of graduation and to pass on candidates.

GROUP REQUIREMENTS

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. **Mathematics and Physical Science.** 12 hours. (Mathematics, Chemistry, Physics, Geology, and Geography.) Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. **Biology and Psychology.** 12 hours. (Botany, Zoology and Entomology, Psychology.) Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

3. **Social Science.** 12 hours. (Economics, History, Political Science, Sociology.) Not more than six quarter hours in one department may be counted in fulfilling this requirement.

4. **English and Foreign Languages.** 18 hours, at least 12 hours of which must be in English. This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign language taken in high school, this group may be reduced to 14 hours.

MAJOR AND MINOR REQUIREMENTS

At least sixty hours of upper division work must be furnished by students applying for graduation.

At the beginning of his college course, and in nc case later than his Junior year each student should select his major professor who, in connection with his dean, will serve as his special faculty advisor. At the time of his graduation he must have completed no fewer than thirty quarter hours in the department in which he is majoring, and no fewer than twenty hours in a collateral or minor subject which meets the approval of his dean and his major professor. He must also satisfy any special departmental requirements announced in the catalogue.

In cases where the prospective graduate's high school and college work shows marked evidence of deficiencies in grade of scholarship, in breadth of training, or a preparation for probable future activity, the dean may use his discretion in prescribing certain specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

THE GRADUATE SCHOOL

All graduate work leading to higher degrees is now administered under the direction of the Graduate School.

Character of Graduate Work. The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration. All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact the student should file with the Dean of the Graduate School an official transcript of his undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy. Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in residence one quarter or more whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the University Council. The mere accumulation of credits does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree. Two higher degrees are offered: Master of Arts (M. A.), provided the candidate meets the foreign language requirement for the A. B. degree; and Master of Science (M. S.) if the candidate does not meet the foreign language requirement for the A. B. degree. A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must, after securing a Bachelor's degree, furnish 48 hours of graduate credit, approved by the Dean of the Graduate School and major professor, in addition to 186 hours of college credit, and 16 units of high school credit. Beginning with the school year 1935-36 the candidate will also be required to be in residence three quarters. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. The thesis must be completed at least ten days before the final examination. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. Before the degree is granted the candidate must file with the Dean of the Graduate School a statement from the Librarian acknowledging the receipt of this copy. (e) A candidate for a Master's degree must secure a grade of "B" or above in three-fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one-half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

SCHOLARSHIP HONORS

In recognition of meritorious work, scholarship honors are granted to members of degree graduating classes in accordance with the following:

First. There shall be two degrees of honor: **Graduation with Honor, and Graduation with High Honor.**

Second. The awards shall be made on the basis of excellence shown in the upper division or graduate work done in the Brigham Young University.

Third. To receive the award of Graduation with Honor a student shall have a record of not fewer than thirty hours of upper division work showing "A" grade and not fewer than fifty hours of such work showing "A" and "B" grades.

Fourth. To receive the award of Graduation with High Honor a student shall have a record of not fewer than forty hours of upper division work showing "A" grade, and not fewer than fifty-five hours of such work showing "A" and "B" grades.

Fifth. The number of graduates receiving honors shall not be greater in any year than one-fifth of the numbers of students graduating. In the event that more than one-fifth of the graduates shall meet the honor requirements set forth above, the students to receive honors shall be chosen as follows: The number of hours of "A" grade of each subject shall be multiplied by "1½," and the number of hours of "B" grade by "1." The one-fifth of the graduates receiving by this process the highest product totals shall receive honors.

Sixth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Seventh. The announcement of honor awards is to be made at the annual commencement exercises.

Term Honors. The University will post and publish at the close of each quarter of the regular school year the names of the one graduate student, the five senior college students (juniors and seniors), and the five junior college students (freshmen and sophomores) who have received the highest grades in classwork during the quarter.

Class grades are to be used exclusively in determining honors, except in case of a tie, when the general school activity of the student shall be considered. The basis of the computation shall be credit hours times grade; and an "A" shall count one and one-half times a "B."

Colleges

COLLEGE OF APPLIED SCIENCE

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Horticulture, Home Economics, Mechanic Arts.

The work offered will be of standard collegiate grade and upon completion of the required amount of study in fundamental subjects, specialized courses, and related work a student may be granted the degree of Bachelor of Science or Bachelor of Arts.

COLLEGE OF ARTS AND SCIENCES

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering, medicine, law; or who desire to train for religious, political or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

In order that the beginning student may receive adequate guidance in the selection of a course of study, this college has been divided, for purposes of freshmen and sophomore registration only, into the following divisions. Detailed suggestive courses may be obtained from the Dean on application.

Biological Science Division. For students with special interest in botany, psychology, and zoology.

Physical Science Division. For students with special interest in chemistry, geology, geography, mathematics and physics.

Social Science Division. For students with special interest in history, political science, sociology and economics.

Language Division. For students with special interest in English, French, German and Spanish.

General Course Division. For students who have as yet no special interest, but who need orientation.

This college also offers pre-engineering, pre-medical, and pre-legal courses as follows:

PRE-ENGINEERING COURSE

Freshman Year: English 1, 2, 3; Chemistry 4, 5, 6; Mathematics 11, 12, 49. The rest of time from the following: Drawing 4, 5, 6; Physical Education 1, 4, 5, 6, or electives.

Sophomore Year: Mathematics 50, 51, 52; Physics 41, 42, 43; Surveying, and the rest of the time from the following: Drawing, Economics, and electives.

PRE-MEDICAL COURSE

The following courses are required in a Pre-medical course: Chemistry 4, 5, 6, 71, 72; Physics 41, 42, 43; English 1, 2, 3; German 1, 2, 3, 55, 56, 57; Zoology 11, 18, 55, 56, 71, 72; Botany 21; Psychology 11; Sociology 1, 2, 3. Electives should be chosen from courses which satisfy group requirements.

PRE-LEGAL COURSE

Lower division students who contemplate the study of law should register for Political Science 1, 10, 11;

Economics 1, 2, 14; English 1, 2, 3; and Physical Education 1, 4, 5, 6. They are also advised to register for work in American and English history, and in Sociology. Electives should be chosen from courses which satisfy group requirements.

At least by the beginning of the junior year students should select their major department, and seek the aid of the major professor as well as the Dean in matters of registration. Students may select their majors from any of the following departments in the College of Arts and Sciences: Botany, Chemistry, English, Geology and Geography, History, Mathematics, Modern and Classical Languages, Physics, Political Science, Psychology, Sociology, and Zoology and Entomology. The degrees, Bachelor of Arts and Bachelor of Science, are given to graduates of this College.

COLLEGE OF COMMERCE

The purpose of the College of Commerce is to provide training for leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions, for efficiency in office administration, and for the demands of the industrial and financial world. The degrees, Bachelor of Science and Bachelor of Arts, are given to graduates of this College.

Majors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, Marketing, and Political Science.

COLLEGE OF EDUCATION

The College of Education is one of the professional schools of the University. Its principal function is the training of teachers, principals, supervisors, and superintendents. This college aims to meet the requirements of the Utah State Board of Education for the various grades of elementary and high school certification and for certificates and diplomas in administration and supervision.

The College of Education is made up of two constituent divisions, namely: The department of academic instruction, and the training schools.

The following departments are at present organized: Elementary Education, Philosophy of Education, Psychology, Educational Administration, Secondary Education, Religious Education, Physical Education.

In addition to the foregoing departments for majors and minors in the College of Education, students of this college may major in any department of the University, which department requirements they fulfill, provided they take at least thirty hours in professional educational subjects.

Students who intend to qualify for teaching should declare their intentions of doing so at the beginning of their junior year, if they intend to teach in the high schools, or at the beginning of their freshman year if they intend to teach in the elementary schools. Those who are preparing for high school teaching should also choose not later than the beginning of their junior year, a teaching major and a teaching minor in some of the departments of the University.

Training Schools—Two training schools are established: first, an elementary training school organized for practice teaching for those preparing for kindergarten and elementary school work; second, a secondary training school which offers training in the six years of high school and gives ample opportunity for practice teaching to advanced students.

The degrees of Bachelor of Arts and Bachelor of Science are given to graduates of this College.

Students who are planning to become teachers in the elementary schools will be required to take a three-year course leading to the normal diploma which is granted to students registered in the College of Education who complete three years of college work. The prescribed work for this diploma is as follows:

Courses in Education: Elementary Education 1, 51, 52, 54, 55, 56, 57, 61 or 62 and 63; Art 41, 42; Music 41, 42; Psychology 21; Zoology 58. Other courses required: English 1, 2, 3; Botany 21; Library 11; Sociology 55, 71; Speech 1 or 11; Social Science 3 hours or History 1 or 82; Physical Education 1, 21, 22; and Geography 52.

Due to increasing the requirements for the Normal diploma from two years to three years, which transition began in 1932-33, only students of junior standing will be permitted to take elementary training.

This diploma is an endorsement of the student's fitness to teach in the elementary schools and will enable the student to secure a first class certificate from the state. Because of the size of the training school only a limited number of students can receive training each year.

Junior high school teachers are expected to complete three years of college work including the same special requirements made of senior high school teachers; viz., a teaching major of 30 hours or two minors of 18 hours each.

The Utah State Board of Education prescribes the following for an applicant for a Utah Five-Year High School Certificate:

"That he has completed a standard college course of four years or its equivalent.

"That he has a teaching major of 30 quarter hours in one subject taught in Utah high schools, and one teaching minor of 18 quarter hours in one subject taught in Utah high schools.

"That he has completed 3 quarter hours of work in health education, 5 quarter hours in ethics or sociology, and 5 quarter hours in political science or economics.

"That he has at least 27 quarter hours of credit in education including at least 8 quarter hours in secondary training, 3 quarter hours in science or principles of educatoin, 3 quarter hours in organization and administration of secondary education and 3 quarter hours in educational psychology.

"Deviation from any of these subjects should be made only with the approval of the School of Education giving the couse."

COLLEGE OF FINE ARTS

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of fine arts.

At present the following departments are fully organized: Art, Speech, and Vocal and Instrumental Music. Majors may be selected from the work offered by these departments. Graduates of this college may receive the degree of Bachelor of Arts or Bachelor of Science.

SUMMER SESSION

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the school year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the departments of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo Campus, the second on the Alpine Campus to the east of Mount Timpanogos. This latter campus is located about fourteen miles from Provo at an elevation of nearly 7000 feet. Splendid roads lead to it, making it easily accessible to anyone wishing to drive there. Although a wide range of subject matter is taught on this campus it affords exceptionally fine conditions for the study of art and the natural sciences.

The summer session offers the opportunity to persons who are employed during the usual nine months of schooling to pursue graduate work, and to regular students the opportunity to complete requirements for graduation in a shorter time than four years.

LYCEUM COURSE

For many years the University has brought to its students distinguished men and women in lectures, in dramatic art, and in music.

During the past year the following appeared on the course:

Dr. Bruno Roselli	Lecturer
Charles Bowman Hutchins	Naturalist
Jan Cherniansky	Pianist
Dr. Frank Bohn	Lecturer
Norman Hapgood	Lecturer
John T. Flynn	Journalist
Capt. Gypsy Pat Smith	Lecturer
Frederic Dixon	Pianist
Com. Donald B. Macmillan	Explorer

Courses of Instruction

AGRONOMY

Professors Martin, Nelson, Stewart; Associate Professor Sudweeks; Assistant Professor Shaw.

Students interested in the range management phase of forestry are advised to take the following courses:

Agronomy 21-22-23-41-52-57-70-91-94-123-170. Botany 54-55-56-57-58-59-103-159. Animal Husbandry 4-5. Landscape Architecture 8-9.

Lower Division Courses

21. General Crops. Autumn. M. W. F., 10:30. (Lab. T. Th. 2:30-4:30) Five hours credit. Shaw.

This course will deal with the fundamental principles underlying the production of crops. Selection, grading, judging and methods of protection will be studied.

22. Cereal Crops. Winter. T. Th., 10:30. Two hours credit. Shaw.

Emphasis will be placed upon a review of the results obtained at the various experiment stations throughout the world relative to the production of cereal crops.

23. Range Management. Spring. T. Th., 10:30. Lab. 2:30-4:30. Three hours credit. Shaw.

Range forage plants and their growth requirement, range improvement, and method of handling livestock.

41. Soils. Autumn. M. W. F., 9:30. Lab. Mon. 2:30-4:30. Three or four hours credit. Martin.

A review of the entire field of soil study. The physical, chemical and microbiological phase of soil study receives attention.

Upper Division Courses

52. Soil Fertility. Winter. M. W. F., 8:30. Laboratory period, M., 2:30-4:30 (prerequisite for laboratory: Chemistry 10.) Three or four hours credit. Martin.

This course deals especially with availability of soil nutrients, alkali soils, soil organisms, farm manures, green manures and crop rotation.

57. Soil Geology. Spring. M. W. F., 8:30. Three hours credit. Martin. (See Geology 57.)

Prerequisite: Geology 1, Agronomy 41, Physics 21 and General Chemistry. A review of the geological forces responsible for the formation of soils, together with a study of the influence that climate has had on the various soil horizons.

58. Soil Survey; Evaluation and Classification of Land. Spring. T. Th., 2:30-5:30. Two hours credit. Martin. Prerequisites: Agronomy 41, 57, and Chemistry 4, 5, 10. (Not given this year.)

This course is designed to follow Soil Geology. The aims and methods of soil survey, together with land evaluation and classification as an outgrowth of the survey work, are discussed.

60. Farm Management. Autumn. M. W. F., 9:30. Three hours credit. Shaw.

This course takes up the general consideration of farm management; types of farming, farm layout, farm capital, equipment, labor, tenancy, etc.

61. Economics of Farm Organization. Winter. M. W. F., 9:30. Three hours credit. Shaw.

The application of economics and business principles to the organization and management of a farm; the farmer as a business proprietor, his selection and combination of factors of production and farm enterprises.

62. Farm Accounting. Spring. T. Th., 9:30. Two hours credit. Shaw.

The keeping, use, and interpretation of farm accounts and records.

63. Teaching of Agriculture. Autumn. Three hours credit. Sudweeks. (See Secondary Education 63.)

70. Range and Forest Soils. One to four hours credit. Stewart and Martin.

Nature and quality of soils as they occur on ranges and forests of the intermountain region. Advanced students admitted by application for thesis problem in field during spring, summer or autumn.

91. Western Land Problems. Spring. M. W. F. Three hours credit. Nelson. (See Economics 91.)

92. Soil Microbiology. Autumn. M. W. F., 8:30. Three hours credit. Martin.

Prerequisites: Botany 21, and Agronomy 41, 52. A lecture course designed to acquaint the student with bacteria in relation to soil fertility.

93. Soil Microbiology. Autumn. W. F., 2:30-5:30. Two hours credit. Martin.

A laboratory course to accompany course 92. It will consist of a study of methods used in bacteriological investigation. Prerequisites: Botany 21, 22, and Chemistry 6.

94. History of Agriculture. Spring. M. W. F., 9:30. Three hours credit. Nelson. (See Economics 93.)

96. Seminar. One hour credit each quarter. Martin, Nelson and Shaw.

Current agronomic literature, agricultural problems. Assigned topics will be considered in the form of a round table discussion. Required of all seniors and graduate students majoring in agronomy.

97. Research. Seniors specializing in agronomy may elect research work from three to six hours. Time and credit to be arranged. Martin.

98. **Special Problems in Soils.** Credit, time, and subject matter to be arranged. Martin.

Chemical, bacteriological and other special laboratory work.

99. **Agricultural Literature.** A study of agronomic literature. Special problems and written reports. Time and credit to be arranged. Martin.

Graduate Courses

120. **Agronomy.** Research in Biological Methods. (See Horticulture 120.)
123. **Advanced Range Management.** Time and credit to be arranged. Stewart.
157. **Soil Geology.** Spring. M. W. F., 8:30. Three hours credit. Martin.
158. **Soil Survey and Evaluation.** Two hours credit. Martin. (Not given this year.)
170. **Range and Forest Soils.** Four or five hours credit. Stewart.
191. **Western Land Problems.** Spring. Three hours credit. Nelson. (Not given this year.)
192. **Soil Microbiology.** Autumn. M. W. F., 8:30. Three hours credit. Martin.
193. **Soil Microbiology Laboratory.** Autumn. W. F., 2:30-5:30. Two hours credit. Martin.
196. **Seminar.** Credit to be arranged.
197. **Research.** Time and credit to be arranged.
198. **Special Problems in Soils.** Time and credit to be arranged.
199. **Agricultural Literature.** Time and credit to be arranged.
200. **Thesis.** Credit to be arranged.

ANIMAL HUSBANDRY

Assistant Professor Ivins; Professor Martin; Dr. Cullimore

Lower Division Courses

1. **Elementary Stock Judging.** Autumn. M. W. F., 1:30-4:30. Three periods of three hours a week. Three hours credit. Ivins.

This course consists of a study of the market types and classes of live stock. Field trips will be made to farms of the county where practice in scoring and judging of animals will be done.

2. **History of Breeds.** Spring. Daily, 9:30. Five hours credit. Ivins.

All breeds of live stock will be studied. Emphasis will be directed to the condition under which the breeds were formed, the men who did the work, and the adaptability of the breed to western conditions.

4. **Beef Cattle Husbandry.** Winter. T. Th., 9:30. Two hours credit. Ivins.

This course is a consideration of the types and breeds, feeds, care and management of beef cattle for western conditions. The student will be made familiar with beef animals by frequent field trips.

5. **Sheep Husbandry.** Spring. T. Th., 10:30. Two hours credit. Ivins.

Types and breeds of sheep will be reviewed followed by study of the management, care and feeding of sheep, both on the range and on the farm.

6. **Swine Husbandry.** Winter. T. Th., 10:30. Two hours credit. Ivins.

Types, breeds and management of swine and their place on western farms. Emphasis will be put on their relation to dairy farming.

7. **Feeding of Farm Animals.** Spring. M. W. F., 10:30. Three hours credit. Ivins.

A study of the chemical composition of feeds, the needs of the animal body, the compounding of rations and methods of practice in feeding.

8. **General Poultry.** Winter. M. W. F., 9:30. Three hours credit. Ivins.

A study of breeds, judging, breeding, incubating, brooding, housing, feeding and marketing.

9. **Diseases of Farm Animals.** Autumn. M. W. F., 1:30. Three hours credit. Ivins. (Not given this year.)

A study of the anatomy of farm animals, of the common diseases of horses, cattle, sheep, hogs, and poultry; their causes, prevention, and treatment.

21. **Elements of Dairying.** Autumn. M. W. F., 8:30. Three hours credit. Ivins.

A general survey of dairying and its relation to Utah agriculture; the secretion, composition and properties of milk; the conditions that affect quantity and quality of milk; use of milk as human food.

Upper Division Courses

51. **Animal Breeding.** Winter. M. W. F., 9:30. Three hours credit. Ivins.

Principles, practices, and methods involved in the breeding and development of domesticated animals. Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, etc. Prerequisite: Zoology 78, or Botany 80.

59. **Types and Breeds of Poultry.** Spring. T. Th., 9:30. Two hours credit. Ivins.

A study of the popular breeds of domestic fowls, their origin, classification, methods of mating and breeding. Designed especially for students planning to engage in Smith-Hughes and club work.

61. **Special Poultry Problems.** Autumn. T. Th., 10:30. Two hours credit. Prerequisite: Animal Husbandry 8.

Detailed study of problems of housing, brooding, feeding and culling. Study of latest developments in these fields, using current literature as basis of work.

62. **Dairy Bacteriology.** Winter. Laboratory 1:30 to 4:30, T. Th., and one class period to be arranged. Three hours credit. Martin.

Attention is given to the bacteria of milk and dairy products in general, and their relation to disease. Prerequisites: Botany 21 and 22, and Animal Husbandry 21.

65. **Animal Physiology.** Spring. M. W. F. Laboratory, T., 1:30-4:30. Five hours credit. Cullimore. (See Zoology 65.)

81. **Milk and Milk Products.** Winter. M. W. F., 10:30. Three hours credit. Ivins.

A course dealing with the properties, composition, and constituents of milk, the manufacture and marketing of milk products. Prerequisites: Animal Husbandry 21 and one year of bacteriology.

91. **Dairy Survey.** Winter. Time to be arranged. One hour a week. One hour credit. Ivins.

A study of current literature and experiments in dairy work. Each student will be expected to make reports on various subjects in this field which will be discussed by the class.

92. **Seminar.** Spring. Time to be arranged. One period a week. Ivins.

Current literature and problems in the field of Animal Husbandry will be studied and discussed. Required of all seniors who major in Animal Husbandry.

98. **Experimental Animal Nutrition.** Open to seniors and graduates only. Prerequisites: 5 hours in organic or bio-chemistry, and Animal Husbandry 7. This course is designed to acquaint students with the methods used in small animal experimentation. One

hour lecture. Laboratory time and credit to be arranged.

Graduate Course

110. Research in Nutrition. Time and credit to be arranged. Ivins.

Open to graduates only, major or minor. Designed for students in Animal Husbandry and Home Economics who desire to get acquainted with the problems of nutrition.

ART

Professors Eastmond, Larsen; Assistant Professors Jensen, Snell.

Students majoring in Art are required to take courses 1, 7, 8, 9, 11, 12, 13, 21, 38, 39, 40, 52, 53.

Lower Division Courses

1. **Art Appreciation.** Autumn. M. W. F., 1:30. Three hours credit. Eastmond.

Foundational principles of art introduced as a means for the general appreciation of art in nature and in the creations of the artist.

7. **Graphic Representation.** Autumn. M. W. F., 2:30. Two hours credit. Larsen.

Object drawing in various media. Emphasis upon tone study in charcoal and upon mass media. Linear and circular perspective.

8. **Graphic Representation.** Winter. M. W. F., 2:30. Two hours credit. Larsen.

Emphasis upon drawing from still life, the cast, and the costumed model. Objective composition.

9. **Graphic Representation.** Spring. M. W. F., 2:30. Two hours credit. Larsen.

Study of perspective. Outdoor sketching in pencil and crayon media.

11, 12, 13. Water Color Painting. Autumn, Winter, Spring. T. Th., 3:30-5:30. Two hours credit each quarter. Eastmond.

Pictorial composition emphasized. Theory of color scheming. Standard methods introduced. Out-door sketching.

14, 15, 16. Commercial Art. Autumn, Winter, Spring. T. Th., 1:30. One to two hours credit each quarter. Jensen.

Show card writing, poster designing, advertising arrangement.

17, 18, 19. **Process Illustration.** Autumn, Winter, Spring. T. Th., 10:30. Two to four hours credit each quarter. Eastmond.

Method of drawing and painting for illustration. Drawing for the various process methods of modern engraving. Correlative illustration. Color theory applied. (Art 7 or the equivalent is prerequisite to 18.)

21. **Theory and Practice of Design.** Autumn, Sec. 1, M. W. F., 1:30. Sec. 2, T. Th., 1:30: Sections are arranged to correlate with the lines of work taken up in Art 25, 28, 29, etc., 32p, 35, 47, etc. Two hours credit. Eastmond and Larsen.

Rhythm, balance, harmony, and other foundational principles. Color study. The principles of design and color theory that are fundamental to the other courses in this department.

25, 26. **Applied Design.** Winter and Spring. T. Th., 1:30. Studio hours to be arranged. Two hours credit. Eastmond.

The principles of creative design as applied to the textile arts and ceramics. Theory of color adapted to creative design. Motif drawing emphasized. Prerequisite: Art 21.

28. **Home Planning.** Winter. M. W. F., 1:30. Two hours credit. Larsen.

Art principles applied to house planning. Historic development of the house. Study of common types of American homes. Relation of house and garden. Study of line, form and color.

29. **Interior Decoration.** Spring, M. W. F., 1:30. Two hours credit. Larsen.

The study of the art principles as applied to the decoration and the furnishing of the home.

32p. **Ceramic Art (China Painting, etc.).** Winter. Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite: Art 21.

Application of the various methods of original design in the decoration of appropriate wares.

33p. **Ceramic Art.** Spring. Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite: Art 25.

Emphasis on original designing.

35, 36. **Mechanic Arts Design.** Winter, Spring. M. W. F., 1:30. Two hours credit each quarter.

Design principles applied to the work of mechanic arts. Prerequisite: Art 21.

38. **Outdoor Sketching with Oil Colors.** Autumn. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Landscape study. Brush drawing of trees and other landscape elements. Representation of foreground, middle distance, and distance. Landscape composition.

39. **Still Life and Figure Painting with Oil Colors.** Winter. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

Painting of flowers, fruits, pottery, and other still life objects. Pictorial composition emphasized.

40. **Outdoor Sketching with Oil Colors.** Spring. M. W. F., 3:30 to 5:30. Two hours credit. Larsen.

41, 42, 43. **Art for Elementary School Teachers.** Autumn, Winter, Spring, M. W. F., 3:30. One to three hours credit each quarter. Jensen.

Simple drawing and painting with various media. Paper cutting and construction, clay, crayons, water color, etc. Study of materials suitable for elementary applied design.

47, 48. **Scenery Painting.** Winter and Spring. T. Th., 3:30. Two hours credit each quarter. Eastmond.

The principles of pictorial and decorative composition applied to the theatrical stage. Applied color theory. Stage property designing and painting. Practical scenery painting. Prerequisite: Art 21.

Upper Division Courses

52. Art History and Appreciation. Winter. M. W. F., 1:30. Three hours credit. Eastmond.

Prehistoric structure, sculpture, graphic art and decoration. Interpretation and classification of masterpieces of architecture, sculpture, decoration and painting to the end of the middle ages.

53. Art History and Appreciation. Spring. M. W. F., 1:30. Three hours credit. Eastmond.

Renaissance architecture, sculpture, and decoration. Emphasis upon schools of painting beginning with the Primitive Florentine down to those of the nineteenth century. Illustrated lectures.

54. Methods of Teaching Art. Autumn, Winter or Spring. M., 3:30. Two hours credit. Eastmond. (See Secondary Education 62.)

57, 58, 59. Interpretative Drawing. Autumn, Winter, Spring. M. W. F., 3:30. Two hours credit. Larsen.

Figure and nature compositions in various media. Head, life, and the costumed model emphasized.

61, 62, 63. Commercial Art. Autumn, Winter, Spring. T. Th., 1:30. Studio hours to be arranged. Two to four hours credit each quarter. Jensen.

Poster designing and lettering. Systems of lettering. Sign writing in various media. Historic alphabets. Prerequisites: Art 14, 15, 16, 21.

64. Water Color Painting. Autumn. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Objective landscape and still-life painting. Emphasis upon composition in line, mass and color. Theory of color scheming continued. Out-door sketching.

65. Water Color Painting. Winter. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Subjective and decorative landscape painting emphasized; nature motif work. Color theory applied.

66. Water Color Painting. Spring. T. Th., 3:30 to 5:30. Two to four hours credit. Eastmond.

Continuation of Art 65. Outdoor sketching. Individual expression emphasized.

67. Oil Painting. Autumn. M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Emphasis upon landscape painting.

68. Oil Painting. Winter, M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Painting from still life and the costumed model.

69. Oil Painting. Spring, M. W. F., 3:30 to 5:30. Two to four hours credit. Larsen.

Outdoor sketching and landscape composition.

71, 72, 73. Decorative Painting and Applied Art. Autumn, Winter, Spring. M. W. F., 2:30. Two to four hours credit each quarter. Eastmond.

Applied painting. Decorative composition correlated with interior decoration. Mural painting. Advanced scenery painting and poster designing. Creative designing applied to various crafts.

74, 75, 76. Process Illustration and Art Etching. Autumn and Winter. T. Th., 10:30. Studio hours to be arranged. One to four hours credit each quarter. Eastmond. Prerequisites: Art 7, 8, 9, or 14, 15, 16.

Pictorial composition especially adapted to the various phases of line, tone and color engraving.

80, 81. Home Planning and Interior Decoration. Winter and Spring. M. W. F., 1:30. Two hours credit each quarter. Larsen. (See Household Administration 50 and 51.)

84, 85, 86. Art Pageant Production. Autumn, Winter, Spring. T. Th., 4:30. Two hours credit each quarter. Eastmond. Prerequisite, Art 21.

Pageantry and art expression. Principles of pageant composition. Symbolic representation. Study of tableau composition. Pageant costume and property designing. Outdoor production emphasized.

Graduate Courses

151, 152, 153. Nineteenth and Twentieth Century Art. Autumn, Winter, Spring. T. Th., 9:30. Two hours credit. Larsen.

Appreciative interpretation of important works of art. Impressionism and modernist experiments in Europe and America. The development of American art. Contemporary artists and their work.

157, 158, 159. Interpretative Drawing and Painting. Autumn, Winter, Spring. Two hours credit. Larsen.

Composition study in various media.

164, 165, 166. Water Color Painting. Autumn, Winter, Spring. Two hours credit each term. Eastmond.

Pictorial composition emphasized. Development of individual and temperamental expression.

167, 168, 169. Pictorial Composition—Oil Painting. Autumn, Winter, Spring. M. W. F., 3:30 to 5:30. Two or three hours credit. Larsen.

174, 175, 176. Advanced Process Illustration and Art Etching. Autumn, Winter, Spring. T. Th., 9:30. Two hours credit each term. Eastmond.

200. Research. Autumn, Winter Spring. W., 3:30. Credit to be arranged.

BOTANY

Professors Martin, Stewart, Morris, Mr. Harrison.

Students majoring in Botany should present credit in Botany 1, 2, 3, 50, 51, 57, 60.

Lower Division Courses

1. **General Botany.** Autumn, Spring. T. Th., 10:30. Laboratory, Th. or F., 1:30-4:30. Three hours credit. Harrison.

Course dealing with the fundamentals of the structure, physiology, and reproduction of plants. Prerequisite course to further work in the field of plant life. Recommended for the non-science student.

2. **General Botany.** Winter. T. Th., 10:30. Laboratory, T., 1:30 to 4:30. Three hours credit. Harrison.

An introduction to members of the plant kingdom exclusive of the seed-plants. The habitat, structure, and life-history of members of a representative series of algae, fungi, mosses, and ferns.

3. **Flowers of the Wasatch.** Spring. M. W., 2:30-5:30. Three hours credit. Harrison.

The identification of early flowering plants of the Wasatch region, and training in the use of manuals along with some individual collecting work.

8. **Ornamental Woody Plant Materials.** Autumn. T. Th., 8:30. Two hours credit. Morris. (See Horticulture 8.) (Not given this year.)

9. **Ornamental Woody Plant Materials.** Spring. T. Th., 8:30. (Lab. 2:30-5:30.) Three hours credit. Morris (See Horticulture 9.) (Not given this year.)

21. **General Bacteriology.** Autumn or Winter. M. W. F., 10:30. Three hours credit. Martin

The course will consist of a study of the general characteristics and activities of microorganisms and their relation to man.

22. General Bacteriology. Laboratory. Autumn or Winter. Two hours credit. T. Th., 1:30-4:30. Martin.

Laboratory course in general bacteriology, designed to accompany Botany 21.

Upper Division Courses

50. Algae and Fungi. Autumn. T. Th., 8:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories, classification and relation of the main groups of algae and fungi. Prerequisite: Botany 1.

51. Liverworts, Mosses and Ferns. Winter. T. Th., 8:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Prerequisite: Botany 1.

52. Seed Plants. Spring. T. Th., 8:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Harrison.

A study of the morphology, life histories, classification and relationship of the higher plants. Prerequisites: Botany 1.

57. Plant Ecology. Autumn. M. W., 10:30, also one field trip or laboratory period a week. Three hours credit. Harrison.

The plant in relation to its environment and its adaptation to the factors of soil and climate; plant communities and succession of various types of vegetation. Prerequisite: Botany 1.

58. Geographic Ecology. Winter. M. W. F., 10:30. Three hours credit. Harrison.

A course devoted to a survey of the various floristic regions of the earth, with emphasis on North American problems. The course should be of special interest to students who expect to travel.

59. Range and Forest Ecology. Autumn, Spring or Summer. One to four hours credit. Stewart and Martin.

Distribution of desert, mountain, and forest plants as influenced by the climatic and soil environment. Advanced students may be admitted by application for thesis problem in field.

60. Plant Physiology. Winter. M. W., 8:30; Laboratory, M. W., 1:30 to 4:30. Four hours credit. Harrison.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, etc. Prerequisites, Botany 1 and Chemistry 1 and 2.

65. Plant Histology. Spring. Time to be arranged. Three hours credit. Harrison.

This is primarily a laboratory course in the technique of preparing, staining and mounting of sections for microscopical examination. Prerequisite: Botany 1.

69. Methods of Teaching Biology. Autumn or Winter. Two hours credit. Hayward. (See Zoology 69 and Secondary Education 69.)

70. Diseases of Cultivated Plants. Autumn. M. W. F., 8:30; Laboratory M., 1:30 to 4:30. Four hours credit. Harrison.

This course deals with the important diseases of local plants, their identification, cause and treatment. Prerequisite: Botany 1, 50.

75. Seminar. Autumn, Winter. One hour credit for each quarter. Harrison, Martin, Morris.

81. Pathogenic Bacteriology. Spring. M. W. F., 10:30. Three hours credit. Martin.

An advanced course in bacteriology, designed for those desiring information about human diseases and who are preparing for the professions of nursing, public health work, dietetics and medicine.

82. Pathogenic Bacteriology Laboratory. Spring. W. F., 2:30-5:30. Two hours credit. Martin.

Designed to accompany Botany 81.

85. Special Problems In Botany. Credit, one to five hours. Time to be arranged. Martin, Harrison.

92. Soil Microbiology. (See Agronomy 92.)

93. Soil Microbiology. (See Agronomy 93.)

Graduate Courses

103. Field Ecology. Time and credit to be arranged. Harrison.

Field work in plant ecology done in connection with the regular biological expeditions sent out by the University. The full time of the student will be required during the period of field work.

153. Advanced Special Morphology. Time and credit to be arranged. Harrison.

Critical studies in the morphology of special groups.

159. Range and Forest Ecology.
160. Plant Physiology.
170. Diseases of Cultivated Plants.
175. Seminar.
181. Pathogenic Bacteriology.
182. Pathogenic Bacteriology Laboratory.
185. Special Problems in Botany.
192. Soil Microbiology.
193. Soil Microbiology.
200. Research.

CHEMISTRY

Professor Maw; Assistant Professor Nicholes; Mr. Peterson, Mr. Johnson; Assistants Wing, Beck, Lott.

Students majoring in Chemistry must present credit in Chemistry 4, 5, 6, 10, 11, 12 or 62, 57, 70, 71, 72, 82, and are advised to commence work in German or French and in Mathematics as early as possible. Chemistry Majors are also required to attend the weekly Seminar.

Suggestions of sequence for the first three years in Chemistry are—3, 5, and 6 constitute the freshman year; 10, 11 and 12 the sophomore year; 57, 70, 71, 72 the junior year.

Lower Division Courses

1. **Elementary General Chemistry.** Autumn, Winter or Spring. Daily, 10:30. Four hours credit. Four lectures and demonstration periods and one quiz section. Peterson.

   This course is an introductory survey of chemistry. It is intended for students who desire a knowledge of the subject for its cultural and informational value.

2. **Elementary General Chemistry.** Autumn, Winter or Spring. Two hours credit. Lecture F., 3:30; Laboratory. M. W., 3:30 to 5:30. Peterson.

   Essentially a laboratory course to follow or accompany Chemistry 1.

3. **Introductory General Chemistry.** Autumn. M. W. F., 2:30. Five hours credit. Three lectures and two laboratory periods. (Laboratory T. Th., 3:30-5:30.) Johanson.

   This course is designed for persons who intend to major in home economics or whose objectives do not require the technical training of Chemistry 4.

4. **General Inorganic Chemistry.** Autumn. (Daily, 8:30, or Winter. Daily, 2:30.) Five hours credit. Three lectures and demonstration periods, one quiz

section, and two two-hour laboratory periods. Laboratory Sections: Autumn, T. Th., 8:30-10:30; M. W., 1:30-3:30; M. W., 3:30-5:30; T. Th., 1:30-3:30. Winter: M. W., 3:30-5:30. Nicholes.

A technical and intensive study of the principles of inorganic chemistry in connection with the non-metals. Prerequisites: high school chemistry or Chemistry 1, and 2.

5. **General Inorganic Chemistry.** Winter. M. W. F., 8:30, Spring. M. W. F., 2:30. Five hours credit. Three lectures and demonstration periods, one quiz section, and two two-hour laboratory periods. Laboratory sections: Winter, M. W., 1:30-3:30; T. Th., 1:30-3:30; Spring, T. Th., 2:30-4:30. Nicholes.

Continuation of Chemistry 4, including a discussion of metals.

6. **Principles of Chemistry and Qualitative Analysis.** Spring. Daily, 8:30. Five hours credit. Two lectures and demonstration periods, one quiz, and three two-hour laboratory periods. Nicholes.

Theory and practice of inorganic qualitative analysis. The qualitative processes are inductively developed in the laboratory. Prerequisite: Chemistry 4 and 5.

9. **Elementary Organic Chemistry.** Winter. M. W. F., 9:30. Five hours credit. Three lectures, one recitation, and one quiz period and two two-hour laboratory periods. Laboratory: T. Th., 3:30-5:30. Johanson.

Special emphasis is placed on those portions of Organic Chemistry that lay the foundation for a study of food and nutrition and Bio-Chemistry.

10, 11, 12. **Elementary Quantitative Analysis.** Autumn, Winter, and Spring. W., 1:30. Three hours credit each quarter. One lecture and two three-hour laboratory periods. Laboratory: M. W., 2:30-5:30; T. Th., 1:30-4:30. Maw and ....

The technique of gravimetric, volumetric and electrolytic processes of quantitative determinations.

The principles and theoretical background are discussed. Prerequisites: Chemistry 4, 5, 6 and College Algebra

Upper Division Courses

51. Advanced Inorganic Chemistry. Autumn or Spring. Three hours credit. T. Th., 1:30. One recitation and two laboratory periods. Nicholes.

57. Laboratory Technique. Autumn, Winter or Spring. One hour credit F., 2:30. Maw and ....

This course gives training in glass manipulation and construction of apparatus.

62. Quantitative Analysis. Autumn, Winter, or Spring. Lecture W., 1:30, and one to three three-hour laboratory periods. Two to four hours credit. Maw and ....

Continuation of Chemistry 10, 11. Lectures and student reports on special topics bearing on the chemical principles involved.

63. Advanced Quantitative Analysis. Autumn, Winter, or Spring. Time to be arranged. Two to ten hours credit according to work done. Maw and ....

Complete analysis of typical minerals will be carried out. Written reports.

70. Organic Chemistry. Autumn. Recitations, M. W. F., 9:30 and laboratory periods. T. Th., 1:30-4:30. Five hours credit. Maw and ....

Introduction to the study of carbon compounds. Laboratory experience in the syntheses and the reactions of the different classes of organic compounds discussed in the class.

71. Organic Chemistry. Winter. Three recitations. M. W. F., 9:30 and two laboratory periods Five hours credit. Maw and ....

Continuation of Chemistry 70. Aromatic compounds.

72. Organic Qualitative Analysis and Advanced Organic Chemistry. Spring. Two recitations. T. Th., 9:30. Laboratory: W. F., 2:30-5:30. Four hours credit. Maw and ....

73. Organic Preparations. Spring. M. W. F., 2:30. Three hours credit. Maw. (A laboratory course.)

76. General Bio-Chemistry. Spring. M. W. F., 1:30 and two laboratory periods: T. Th., 2:30. Five hours credit. Maw or ....

This course aims to give a comprehensive outlook and acquaintance with the broader aspects of Biochemistry for students majoring in Biology, Medicine, Home Economics, or Agriculture.

77. Bio-Chemistry. Spring. Two recitations and three laboratory periods. Five hours credit. Maw or ....

This course deals largely with the chemistry involved in the human physiological processes.

82. Physical Chemistry. Autumn. T. Th., 9:30 and two laboratory periods: T. Th., 2:30-5:30. Four hours credit. Peterson.

An introduction to modern chemical theory. Prerequisite: Physics 42, Chemistry 12, Mathematics 51 (Calculus.)

84. Physical Chemistry. Winter. T. Th., 9:30 and one laboratory F., 2:30-5:30. Three hours credit. Peterson.

Continuation of Chemistry 82.

86. Colloid Chemistry. Spring. One lecture, W., 9:30 and two laboratory periods, T. Th., 2:30. Three hours credit. Peterson.

90, 91, 92. Seminar. Autumn, Winter or Spring. Friday 3:30. One hour credit. Open to advanced undergraduates and required of senior majors.

Graduate Courses

101. Colloid Chemistry. Spring. W., 9:30 and two laboratory periods. T. Th., 2:30-5:30. Three hours credit. Peterson.

Fundamental properties of substance in the colloid state. Assigned readings and written and oral reports. Prerequisite: Chemistry 82.

103. **Organic Preparations.** Any quarter. Time to be arranged. Three to five hours credit, according to the quality and amount of work. Maw.

104. **Qualitative Organic Analysis.** Spring. Two recitations. T. Th., 1:30 and laboratory W. F., 2:30-5:30. Four hours credit. Maw.

Problems and assigned readings. Practice in identifying pure organic compounds and simple mixtures by analysis, physical properties and the preparation of derivatives.

105. **Quantitative Organic Analysis.** Spring. Time to be arranged. Two hours credit. Maw.

Quantitative analysis of organic compounds. Combustion methods.

106. **Studies in the History of Chemistry.** Autumn, Winter, and Spring. One hour credit each quarter. Maw.

109. **Advanced Inorganic Chemistry.** Autumn, Winter, and Spring. Hours and credit to be arranged. Nicholes.

Special topics in inorganic chemistry, written and oral reports.

110. **Advanced Inorganic Chemistry.** Winter. W., 3:30. Laboratory T. Th., 2:30-5:30. Three hours credit.

Preparation of more difficult inorganic substances and a study of non-aqueous solvents.

163. **Advanced Quantitative Analysis.** Autumn, Winter, or Spring. Time to be arranged. Two to ten hours credit, according to work done.

Complete analysis of typical minerals will be carried out. Written reports.

166. **Special Methods in Quantitative Analysis.**
- a. **Water Analysis.** Two hours credit.
- b. **Food Analysis.** Two hours credit.
- c. **Electrolytic Analysis.** Two hours credit.
- d. **Fire Assaying.** Two hours credit.

These courses may be taken any quarter, the time to be arranged. These are laboratory courses and written reports and discussions of the chemistry involved will form a part of the work. Prerequisites: Chemistry 10, 11, 12, or 62.

177. **Bio-Chemistry.** Autumn. Three recitations and two laboratory periods. Five hours credit. Prerequisite: Chemistry 76.

184. **Physical Chemistry.** Winter. T. Th., 9:30 and one laboratory F., 2:30. Three hours credit. Peterson.

190, 191, 192. **Seminar.** Autumn, Winter or Spring. M., 4:30. One hour credit.

197. **Research in Organic Analytical and Physical Chemistry.** Time and credit to be arranged.

200. **Thesis.** Time and credit to be arranged.

COMMERCE

ACCOUNTING AND BUSINESS ADMINISTRATION

Professors Clark, Poulson, Eyring; Associate Professors Boyle, Johnson.

Students majoring in this department are required to take courses 1, 2, 56, and 74.

Lower Division Courses

1. **Elementary Accounting.** Autumn, Winter, and Spring. Daily. Autumn 1:30; Winter 10:30; Spring 1:30. Daily laboratory 1:30-3:30, one hour of which is required each day. Five hours credit. Johnson.

An introduction to college accounting. The aim of this course is two-fold: first, a preparation for those who plan to enter business at once, and second, as a foundation course for advanced work in accounting.

2. **Elementary Accounting.** Winter and Spring. Daily. Winter 1:30; Spring 10:30. Daily laboratory, 1:30-3:30, one hour of which is required each day. Five hours credit. Johnson.

Continuation of course 1.

Upper Division Courses

50, 51, 52. **Intermediate Accounting.** Autumn, Winter, Spring. M. T. W. Th., 10:30. Four hours credit each quarter. Clark.

Primarily corporation accounting with special emphasis on problems of depreciation, bases of revaluation, inventorying, etc. Open to students who have had Accounting 2, or the equivalent.

53. **Principles of Risk-Bearing.** M. W. F., 2:30; three hours credit. Boyle. (See Economics 53.)

54. **Credits and Collections.** Winter. M. W. F., 1:30. Three hours credit. Boyle. (Not given this year.)

Principles covering the granting of credit, the control of the credit line, when and how collections are made, establishment of retail credit bureaus, contracts, installment selling plans.

56. **Mathematical Theory of Investment.** Spring. M. W. F., 2:30. Three hours credit. Eyring. (See Mathematics 35.)

62. **Industrial Management.** Winter. M. W. F., 10:30. Three hours credit. Boyle. (Not given this year.)

The organization of business for the most effective control of general administration, sales, purchases, etc., will be stressed. Prerequisite, Economics 61.

63. **Personnel Administration.** Spring. M. W. F., 10:30. Three hours credit. Boyle.

A study of modern practices and development in the scientific adjustment of the relations of employer and employee. Such problems as labor supply, labor turnover, promotion policy, etc., are studied.

64. **Psychology Applied in Business.** Autumn. M. W. T. F., 9:30. Four hours credit. Poulson. (See Psychology 64)

65. **Experiments in Business Psychology.** Winter. Lecture W. 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

67. **Real Estate Procedure.** Spring, 1:30. M. W. F. Three hours credit. Boyle. (Not given this year.)

A course which deals with the real estate problem, urban land valuation, real estate merchandising and selling, the problem of the separation of land and building valuation for rental purposes.

68. **Business Management.** Spring. M. W. F., 1:30. Three hours credit. Boyle.

The business cycle and its relation to policies and principles of business management. Senior standing is a prerequisite in order to draw upon the entire college background of business training.

74. **Principles of Statistics.** Autumn and Winter. M. W. F. Autumn 1:30; Winter 2:30. Three hours credit each quarter. Boyle.

Introduction to statistics This course required of all majors in Economics, Finance and Banking, Accounting and Business Administration, and Marketing.

75. **Business Statistics.** Winter and Spring. M. W. F. Winter, 1:30; Spring, 2:30. Three hours credit each quarter. Boyle. Prerequisite: Elementary statistics.

Fundamental methods of statistics in business and economic applications. Estimating future business; economic forecasting; fluctuations of business.

91. **Cost Accounting.** Autumn. M. T. W. F., 8:30. Four hours credit. Boyle. Prerequisites: Courses 50, 51 and 52.

Introduction to methods and principles of cost finding. Specialized methods of handling materials, costs, labor costs and overhead expense.

92. **Advanced Cost Accounting.** Winter. M. T. W. F., 8:30. Four hours credit. Boyle. Prerequisite: Accounting and Business Administration 91

Industrial accounting. Practical work in cost determination. Analysis of uniform cost accounting systems of modern industries.

93. **Income Tax Procedure.** Spring. M. T. W. F., 1:30. Four hours credit. Boyle. Prerequisites: Accounting 50, 51, and 52.

Federal and State income tax regulations and procedure. This course is designed to qualify the student for practical income tax work.

94. **Auditing Theory.** Autumn. M. W. F., 9:30. Three hours credit. Boyle. Prerequisites: Courses 50, 51, and 52.

Principles and methods of public accounting work. Rules of professional responsibility and conduct. Advanced interpretation of accounts and financial statements.

95. **Auditing Practice.** Winter. M. W. F., 9:30. Three hours credit. Boyle. Prerequisite: Course 94.

Practical work in auditing. Technique of verification of accounts and financial statements. Audit working papers.

96. **Advanced Accounting Problems.** Spring. M. T. W. F., 9:30. Four hours credit. Boyle. Prerequisites: Accounting and Business Administration 50, 51, 52.

C. P. A. and American Institute of Accountants' problems. Courses recommended as preparation: Accounting and Business Administration 50, 51, 52, 92, 93, and 94; Finance and Banking 43, 44, 51 and 52.

Graduate Courses

101. **Cost Accounting.** (See Accounting and Business Administration 91.)

102. **Advanced Cost Accounting.** (See Accounting and Business Administration 92.)

103. **Income Tax Procedure.** (See Accounting and Business Administration 93.)

104. **Auditing Theory.** (See Accounting and Business Administration 94.)

105. **Auditing Practice.** (See Accounting and Business Administration 95.)

106. **Advanced Accounting Problems.** (See Accounting and Business Administration 96.)

111-112-113. **Research in Accounting.** Hours and credit to be arranged with instructor.

114-115-116. **Research in Statistics.** Hours and credit to be arranged with instructor.

181-182-183. **Seminar in Business Psychology.** One to three hours credit. (See Psychology, 181-182-183.)

FINANCE AND BANKING

Professors Clark, Jensen, Miller.

Lower Division Courses

14. **Economic and Financial History of the United States.** Autumn and Spring. M. W. F., 2:30. Three hours credit. Miller. (See Economics 14.)

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

43. **Commercial Law.** Autumn. M. T. W. Th., 8:30. Four hours credit. Jensen. (See Political Science 43.)

44. **Commercial Law.** Winter. M. T. W. Th., 8:30. Four hours credit. Jensen. (See Political Science 44.)

45. **Commercial Law.** Spring. M. T. W. Th., 8:30. Four hours credit Jensen. (See Political Science 45.)

Upper Division Courses

51, 52. **Business Finance.** Autumn, Winter. M. T. W. Th., 9:30. Four hours credit each quarter. Clark. Prerequisites: Economics 1 and 2.

Financial problems connected with the organization of corporations, underwriting and the sale of securities, management, expansion, and the reorganization of those that are not successful.

53. **Money and Banking.** Spring. M. T. W. Th., 9:30. Four hours credit. Clark. Prerequisites: Economics 1 and 2. (Not given this year.)

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States.

54. **Investments.** Spring. M. T. W. Th., 9:30. Four hours credit. Clark. Prerequisite: Finance and Banking 51.

A study of the various forms and methods of investment.

67. **Public Finance and Taxation.** Winter. M. W. F., 2:30. Three hours credit. Miller. (See Economics 67.)

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

Graduate Course

101. Research in Business Finance. Winter, Spring. Two to five hours credit. Clark.

MARKETING

Associate Professor Johnson; Professor Miller; Associate Professor Boyle; Assistant Professor Edgar Jesnen; Mr. Coffman.

Lower Division Courses

14, 15, 16. Commercial Art. Autumn, Winter, or Spring. M. W. F., 10:30. One or two hours credit each quarter. Jensen. (See Art 14, 15, 16.)

27. Agricultural Marketing. Winter. M. W. F., 10:30. Three hours credit. Johnson. (Not given this year.)

An analysis of the problems of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers.

30. Geography of Economic Products. Spring. Daily, 1:30. Three hours credit. Coffman. (See Geography 30.)

Upper Division Courses

51. Principles of Salesmanship. Autumn. M. W. F., 10:30. Three hours credit. Johnson. Prerequisites: Marketing 57, Psychology 11.

A practical course in selling, covering analyses of the salesman, the product, and the market.

54. Credits and Collections. Spring. M. W. F., 2:30. Three hours credit. Boyle. (Not given this year.) (See Accounting and Business Administration 54.)

56. Transportation Problems. Spring. M. T. W. Th., 9:30. Four hours credit. Miller. (Not given this year.) (See Economics 56.)

57. **Principles of Marketing.** Autumn. M. W. F., 8:30. Three hours credit. Johnson. Prerequities: Economics 1 and 2.

An elementary course which deals with the functions of marketing, and with the organizations involved in the distribution of economic goods.

58. **Principles of Retailing.** Winter. M. W. F., 8:30. Three hours credit. Johnson. Prerequisites: Marketing 57 and Accounting 1 and 2.

A study of principles and processes involved in marketing through existing retail outlets.

59. **Advertising.** Spring. M. W. F., 8:30. (Two hours laboratory each week, time to be arranged.) Four hours credit. Johnson. Marketing 14, 15, and 16 recommended. Prerequisite: Marketing 57.

The part advertising plays in business. Principles of advertising, including layout, media, campaigns, etc.

81, 82, 83. **Commercial Art.** Autumn, Winter, and Spring. T. Th., 10:30. Two hours credit each quarter. Jensen. (See Art 61, 62, 63.)

85. **Seminar.** Autumn. T. Th., 10:30. Two hours credit. Johnson.

A seminar in current problems in marketing. Open only to students who have had Marketing 57, 58, 59, and 74.

Graduate Courses

157, 158, 159. **Research in Marketing and Advertising.** Hours and credit to be arranged with instructor.

OFFICE PRACTICE

Professor Holt; Mrs. Lloyd, Miss Strickler.

Lower Division Courses

11, 12, 13. **Shorthand.** Autumn, Winter, Spring. Daily, Sec. 1, 8:30; Sec. 2, 9:30. Four hours credit each quarter. Strickler.

Principles of shorthand writing according to the Gregg system.

14, 15, 16. **Advanced Shorthand.** Autumn, Winter, Spring. M. W. F., 10:30. Three hours credit each quarter. Strickler.

Review of Gregg principles, brief forms and most-used phrases. Advanced dictation, including business letters, legal forms, reports, and speeches. Speed-building will be emphasized.

21, 22, 23. **Typewriting.** Autumn, Winter, Spring. Six hours a week. Two hours credit each quarter. See instructor for time. Lloyd.

Touch typewriting, according to standard methods.

24. **Typewriting.** Autumn, Winter, Spring. Daily. Two hours credit. (Elect one quarter only.) Lloyd.

31. **Business English.** Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. Holt.

The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure, and diction. Business forms and usages.

ECONOMICS

Professors Swenson, Miller, Nelson; Associate Professors Boyle, Johnson; Assistant Professor Shaw.

The following courses are required for a major in Economics: Economics 1, 2, 14, 74, 94.

Lower Division Courses

1. **Economics—Introduction and Principles.** Autumn, Sec. 1, 8:30; Sec. 2, 9:30; Sec. 3, 10:30. Winter, two sections, 10:30; Spring, 8:30. Daily. Five hours credit each quarter. Miller, Johnson, and Boyle.

A general survey of industrial society; its structure, its institutions and operation. An historical background of the rise of modern capitalistic industry.

2. **Economics—Contemporary Economic Problems.** Winter, Sec. 1, 8:30; Sec. 2, 9:30; Spring, 10:30. Daily. Five hours credit each quarter. Miller and Johnson. Prerequisite: course 1.

A more advanced study of the underlying principles of economics. Includes an intensive study of several contemporary economics problems.

14. **Economic and Financial History of the United States.** Autumn. M. W. F., 2:30, Spring, M. W. F., 1:30. Three hours credit. Miller.

Economic development of the United States from colonial times to the present, with emphasis upon economic integration and industrial organization since the Civil War.

30. **Principles of Agricultural Economics.** Autumn. M. W. F., 2:30. Three hours credit. Shaw.

An analysis of agriculture from the economic standpoint. The place and importance of land in human welfare; the problems of production, land, tenancy, etc.

Upper Division Courses

51. Money and Banking. Spring. M. T. W. Th., 9:30. Four hours credit. Clark. (Not given this year.) (See Finance and Banking 53.)

53. Principles of Risk-Bearing. Autumn. M. W. F., 2:30. Three hours credit. Boyle. Prerequisites: Economics 1 and 2.

Life, health, accident, fire, property and liability insurance, and principles of risk-bearing as they apply to each classification of the insurance field.

56. Transportation Problems. Spring. M. T. W. Th., 9:30. Four hours credit. Miller. (Not given this year)

This course deals with the growth and development of railway transportation and the development of public regulation and railway legislation in the United States.

60. Social Legislation. Autumn. M. W. F., 1:30. Three hours credit.

The state in relation to labor and social conditions. An intensive study of the legal aspects of modern social reforms. Foreign experiments in the field will also be studied.

61. Labor Problems. Autumn. M. W. F., 10:30. Three hours credit. Boyle.

This course deals with the wage system, domestic industry, the factory system, the rise and growth of labor organizations. Special problems in industrial and company unions will be stressed.

67. Public Finance and Taxation. Winter. M. W. F., 2:30. Three hours credit. Miller. (See Finance and Banking 67.)

74. Principles of Statistics. Autumn and Winter. M. W. F. Autumn, 1:30; Winter, 2:30. Three hours credit each quarter. Boyle.

Introduction to statistics. This course required of all majors in Economics, Finance and Banking, Accounting and Business Administration.

75. **International Economic Policies.** Winter. M. W. F., 1:30. Three hours credit. Miller.

A survey with particular reference to the United States, of the international aspects of the economic policies and activities of governments.

76. **History of Economic Thought.** Spring, daily, 2:30. Five hours credit. Miller.

The development and trend of economic thought from early times to the present. A brief survey up to about 1750, but chief emphasis will be given to Smith, Malthus, Richardo, and Mill.

91. **Western Land Problems.** Spring. M. W. Th., 10:30. Three hours credit. Nelson.

A survey of the outstanding land problems of the Western States, particularly those of the Rocky Mountain division Special class reports by students will be required.

92. **American Agricultural Reform.** Winter. M. W. F., 9:30. Three hours credit. Nelson.

A review of the agrarian movements for economic and social reform in America. Subordinate treatment is given to recent and current programs for farm relief.

93. **Economic History of Agriculture.** Spring. M. W. F., 9:30. Three hours credit. Nelson. (Not given this year.)

The development of agriculture from its beginnings in the Old World to the present time. Historical background of contemporary agricultural problems.

94. **Advanced Economics.** Autumn or Winter. Daily, 8:30. Five hours credit. Prerequisites: Economics 1, 2, 3. Swenson.

Advanced course in economic theory with application to present day economic problems.

Graduate Courses

160. **Social Legislation.** Autumn. M. W. F., 1:30. Three hours credit. Miller.

161. **Labor Problems.** Winter. M. W. F., 9:30. Three hours credit. Boyle.

167. **Public Finance.** Winter. M. W. F., 2:30. Three hours credit. Miller.

175. **International Economic Problems and Policies.** Winter. M. W. F., 1:30. Three hours credit. Miller.

176. **History of Economic Thought.** Spring. Daily, 2:30. Five hours credit. Miller.

191. **Western Land Problems.** Spring. M. W. F., 10:30. Three hours credit. Nelson. (Not given this year.)

194. **Advanced Economics.** Autumn or Winter. Daily, 8:30. Five hours credit. Prerequisites: Economics 1, 2, 3. Swenson.

Advanced course in economic theory with application to present day economic problems.

197. **Research.** Time and credit to be arranged. Staff.

200. **Thesis.**

EDUCATION

EDUCATIONAL ADMINISTRATION

Professors Lambert, Merrill; Associate Professor Sudweeks; Assistant Professor Edgar M. Jensen

The Department of Educational Administration cooperates with the other departments of the University in offering students an opportunity to secure a liberal education. With the other departments of the College of Education it assumes responsibility for the preparation of teachers, supervisors, and administrators for service in educational institutions. It assumes a further particular responsibility for offering instruction and training in those fields which deal more specifically with the organization, administration, and support of education. The department offers work leading to the Bachelor's and the Master's degrees. The general requirements for these degrees are set forth in other sections of the catalog.

Students who wish to complete an undergraduate major in this department may begin their program in their junior year. It is better, naturally, to have had regular teaching courses and some experience in teaching before completing a major in this field, but this statement is not to be interpreted as setting up a requirement. Furthermore, students in any department of the University may elect courses in this department without having had teaching experience and without planning to complete a major in this field.

Students who complete an undergraduate major in administration commonly offer by the end of the senior year work in each of the following fields: (1) The General Organization and Administration of Educational Systems; (2) The Administration of a Single School System; (3) School Finance; (4) Personnel Administration; (5) Tests, Measurements, and the Statistical Techniques. Supporting work in General Theory and Philosophy of Education, Educational Psychology, Curriculum Construction, and Educational Sociology (fields that are offered in other departments of the University) is necessary. By consent of the head of this department certain courses in other departments will be accepted toward completion of a major in

Educational Administration. In certain cases major students may be advised to take foundational work in the sciences, in Economics, in Political Science, or in Sociology in order adequately to support their particular program in the study of administration.

Students are given considerable liberty in constructing programs of study that meet their individual needs and interests. Members of the department faculty will always be available to assist students in this planning. The following general suggestions for study sequences will aid students as they plan their programs: (1) In the freshman and sophomore years students should complete the regular University group requirements and lay the foundations in some academic field. (2) In the junior year the student can with profit begin his supporting work in Psychology, Educational Sociology, Economics, Political Science, and the General Theory of Education. Courses 73, 79, 80, 81 in this department may be completed. (3) In the senior year the supporting work should be continued but should be programmed in conference with the department head. Specific courses in this department to plan for are numbers 74, 75, 76, and 78.

Undergraduate majors in educational administration who consistently build up some academic teaching field as part of their supporting work in preparation for a major in administration will find themselves advantageously equipped for placement in positions where, during the beginning years of professional service, assignments to teach often precede or accompany the administrative assignments.

Graduate majors in this department are responsible to the head of the department and the Dean of the Graduate School for the completion of their programs. They should read with care those sections of the catalogue that set forth the requirements for the Master's degree. The program for each graduate student, consistent with the University requirements in general, is an individual program suited to his needs and his background. It is worked out in consultation with the head and the members of the department faculty. Majors should not register for graduate work until they have had the services to be found in these conferences. Any graduate student in the University may elect graduate courses in this department where they seem to serve his own program of study.

Upper Division Courses

50. Rural Education. Spring. M. W. F., 9:30. Three hours credit. Merrill.

This course deals with rural and educational problems which confront the teachers in rural communities of the intermountain states.

69. Measurements of High School Teaching. Spring. M. W. F., 2:30. Three hours credit. Sudweeks. (See Secondary Education 69.)

73. General Educational Organization and Administration. Autumn. M. T. W. Th., 9:30. Five hours credit. Lambert.

This course offers students an opportunity to study the ways in which states, counties, cities, and other forms of school districts are organized for the administration of public education. This is the foundational course for all majors in educational administration.

74. Personnel Administration. Winter. M. T. W. Th., 2:30. Four hours credit. Lambert.

Problems of the teaching staff; construction of the educational program, selection of teachers to fit this program, assignment and transfer of teachers, promotion, tenure, the contract, insurance, retirement, the salary schedule, and problems of public service and public contacts.

75. Educational Supervision. Spring. M. T. W. Th., time to be arranged. Four hours credit. Jensen.

This course is designed for superintendents, principals, supervisors ,department chairmen, experienced teachers, and others who have to do with the improvement of instruction. Emphasis is placed upon sound principles of educational procedure and upon the supervisory technique.

76. The Work of the School Principal. Spring. M. W. F., 10:30. Four hours credit. Lambert.

The practical problems of administering a single school; the organization and administration of the buildings, playgrounds, equipment, schedules, curriculum, student activities, pupil personnel, school publicity and the community relationships of the school. The course is conducted largely on a problem basis.

78. School Finance. Winter. M. T. W. Th., 9:30. Five hours credit. Lambert.

This course deals with the theory and practical application of financing public education in the United States. It makes specific analyses of school expenditures. A course in taxation should precede or parallel this course.

79. Statistical Methods. Autumn. M. W. F., 2:30. Three hours credit. Sudweeks.

This course deals with the principles and methods underlying the compilation and interpretation of educational statistics. Students who have had Mathematics 13 should consult the instructor before registering.

(Note: Students will find that a definite knowledge of certain mathematics involved in college algebra and analytic geometry are very valuable bases for the work in this course.)

80. Standard Tests and Testing. Autumn. M. W. F., 8:30. Three hours credit. Sudweeks.

Educational Administration 80 and 81 are designed to cover the field of tests and examinations in elementary and high schools. Each student will carry out a complete testing project in the University Training School.

81. Old and New Type Examinations. Winter. T. Th., 8:30. Two hours credit. Sudweeks.

The place of the old type examination and its improvement is considered. The use and forms of the new type examination. With administration 80, it covers the field of tests and examinations in elementary and high schools.

82. **Educational Literature.** Autumn. Time arranged to meet convenience of students. One hour credit. Lambert.

This course offers students an opportunity to make a systematic study of periodicals and other types of literature available to the professional worker in education. It provides a most useful training in bibliographical methods for research students. Open to all students above freshmen.

Graduate Courses

100-110. **Independent Readings.** Time and credit arranged. Any quarter. Members of the department faculty.

An opportunity is provided for qualified students to study in areas in which courses are not offered and in fields of interest beyond those treated in courses. Students are assisted to plan a reading program to meet their needs.

111. **Public School Finance.** Winter. M. T. W. Th., 9:30. Five hours credit. Lambert.

The general lectures in this course parallel those of administration 78, but graduate students have a conference program and an enlarged reading schedule. They also complete a number of individual projects. Required of all students who complete a graduate major in educational administration.

148. **Introduction to Research and Thesis Writing.** Autumn. T. Th., 2:30. Three hours credit. Lambert.

This course deals with the principles of scientific investigation and the acceptable techniques of research. Open to senior and graduate students. Required of all candidates for the Master's degree in the College of Education.

150. Seminar in Education. Two to five hours credit. Time to be arranged to meet the convenience of the largest numbers of students both on and off the campus. Meets once each week. Autumn, Winter. Lambert.

This course provides the opportunity (1) for educational workers to extend their studies in educational problems, (2) for graduate students working on projects to secure aid, (3) for research students to report results of their studies.

169. Measurements of High School Teaching. Spring. M. W. F., 2:30. Three hours credit. Sudweeks.

173. General Educational Organization and Administration. Autumn. M. T. W. Th., 9:30. Five hours credit. Lambert.

These lectures parallel those in administration 73, but graduate students have an enlarged program of readings and problems that require graduate ability. Opportunity is provided for individual interests. Required of graduate majors.

174. Personnel Administration. M. T. W. Th., Winter. 2:30. Four hours credit. Lambert.

A graduate course in the personnel problems of the teaching staff. Extended readings and investigations of problems in school systems are required. Required of graduate majors in educational administration.

175. Educational Administration. Spring, M. T. W. Th. Time to be arranged. Four hours credit. Jensen.

This course is designed for superintendents, principals, supervisors, department chairmen, experienced teachers and others who have to do with the improvement of educational programs and instruction.

176. The Work of the School Principal. Spring. M. W. F., 10:30. Four hours credit. Lambert.

This course deals with the practical problems of administering a single school. It is conducted primarily on a problem-solving basis. Several field trips are made to study problems in well-administered schools.

179. **Statistical Methods.** Autumn M. W. F., 2:30. Three hours credit. Sudweeks.

A course designed for graduate students preparing to do statistical research. Required of all candidates for the Master degree in Education.

180. **Standard Tests and Testing.** Autumn. M. W. F., 8:30. Three hours credit. Sudweeks.

182. **Educational Journals.** Autumn. Time arranged to meet convenience of students. One hour credit. Lambert.

This course offers graduate students an opportunity to extend systematically their knowledge of educational literature. Critical reports on various periodicals and documentary materials are required.

183. **Secondary Statistical Methods.** Winter. M. W. F., 2:30. Three hours credit. Sudweeks.

A continuation of elementary statistical methods, which is a prerequisite to this course. Correlation—simple, multiple, partial.

185. **The School Building Program.** Spring. M. W. F., 9:30. Three hours credit. Lambert.

This course considers the integration of an educational program and a building program that is planned to serve it. It considers the techniques of the building survey, transportation problems, school building finance, publicity and community relationships.

186. **Administration of Private Schools and Seminaries.** Spring. T. Th., 11:30. Two hours credit. Lambert.

Considers the place of the private and the denomination school, together with the problems incident to relationships between the state school systems and the private schools. Educational administration of private institutions.

200. **The Master's Thesis in Educational Administra-**

tion. Autumn, Winter, Spring. Lambert, Sudweeks.

Credit of two to six hours, depending upon the magnitude and the difficulty of the problem studied. Credit is finally granted and entered in the last quarter of graduate work and is dependent upon acceptance of the thesis by the committee.

ELEMENTARY EDUCATION

Assistant Professor Boyle; Associate Professor Sudweeks; Assistant Professors Dusenberry, Peterson, Jensen, Hanson; Doctors Cullimore, Oaks, Merrill; and Faculty of Elementary Training School.

Students majoring in Elementary Education should conform to the following sequence of courses:

Freshman year: Elementary Education 1, Psychology 21, Social Science 1, Speech 1 or 11, English 1, 2, 3, Library 11, Physical Education, 21, 22.

Sophomore year: Elementary Education 12, Geography 52, History 82, Theory of Music 41 or 42, Art 21 or 41, 42, Zoology 58.

Junior year: Elementary Education 51, 52, 54, 55, 56, 57, 61 or 62, 63.

Senior year: Elementary Education 63, Educational Administration 75 and 79.

Students in Elementary Education will be required to take a standard achievement test in the common branches. Those failing to reach certain standards will be required to take special courses until such standards are reached before registration for the Elementary School Curriculum. With the approval of the major professor courses from other departments of the College of Education may be offered to fill major requirements for a degree.

Lower Division Courses

1. **Principles of Education.** Autumn, Winter or Spring. M. T. W. Th., Four hours credit. Sudweeks.

An introductory survey course in education, planned to cover the general field. It serves to orient the student and to introduce him to the other courses in education. Required of those qualifying for elementary teaching.

20. **Story Telling and Children's Literature.** Autumn, Winter or Spring. T. Th., 8:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children.

21. **Juvenile Literature.** Winter or Spring. T. Th., 9:30. Two hours credit. Dusenberry.

A study of literature to give a basis for selection, appreciation, and presentation of the best and most suitable material for the elementary grades This course is a continuation of 20.

Upper Division Courses

51, 52. **Principles of Teaching.** Autumn and Winter. M. T. W. Th., 10:30. Three hours credit each quarter. Sec. 1 Kindergarten and Primary Grades, Brown. Sec. 2 Intermediate Grades. Peterson.

Required of all students qualifying for elementary teaching; to be taken before or paralleling the course in practice teaching. Deals with the application of psychological principles to the teaching problems.

54. **Elementary and Kindergarten Training.** Autumn, Winter and Spring. Daily from 8:30 to 10:30, or 1:30 to 3:30. Ten hours credit. Brown, Peterson.

This is essentially a laboratory course affording opportunity for practice teachers to apply the principles of teaching developed in the theoretical course. Prerequisites: 15 hours of selected education work.

55. **School Organization and Administration.** Autumn or Winter. M. W. F., 9:30. Three hours credit. Boyle.

This course will acquaint beginning teachers with the school as an institution in its relation to the state and the community. Meets state requirements for certification.

56, 57. The Elementary School Curriculum. Autumn, Winter. T. Th., 10:30. Two hours credit each quarter. Brown, Peterson.

Required for state certification. Prerequisites for registration in this course are certain standards of attainment in the common branches, as shown by a standard achievement test.

58. Health Education for Teachers. Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

60. Technique of Teaching. Autumn. M. W. F., 2:30. Three hours credit. Brown.

This course deals with recent developments in the field of methods and psychology which have led to the revision of class-room procedure.

61. First Grade Education. Spring. M. W. Th., 9:30. Three hours credit. Brown.

Problems of early elementary education. A study of the activities, subject matter and concrete materials which should form the basis of the work with young children. Classroom observation required.

62. Measurements in Elementary Education. Autumn and Spring. M. W. F., 8:30. Three hours credit. Sudweeks. (See Sec. Ed. 70.)

A practical course dealing with the use and interpretation of general intelligence and achievement tests on the elementary school level. Students will take part in practical school testing programs.

63. School Management and Extra Curricular Activities. Spring. T. Th. Two hours credit. Peterson.

A course in the conservation and the obtaining of the maximum educational value of every element in school and classroom organization.

64. Myths of the World. Winter. T. Th., 7:30. Two hours credit. Dusenberry.

This course will first include a comprehensive discussion of the myth and its origin. A study of the specific myths, customs, and folk lore of Egypt and India.

65. **Myths of the World.** Spring. T. Th., 7:30. Two hours credit. Dusenberry.

The major topics to be considered in this course are present and past customs, superstitions, folk lore, and mythological beliefs of the people of China, Japan and Siam; the islands of Bali, Borneo and the Philippines.

Graduate Courses

101. **Special Problems in Elementary School Curriculum.** Autumn, Winter and Spring. Time to be arranged. Four hours credit. Merrill.

148. **Elementary Education.** Autumn and Winter. 10:30. Two or three hours credit. (See Secondary Education 148.)

161. **First Grade Education.** Spring. 9:30. Three hours credit. Brown. (See Elementary Education 61.)

162. **Measurements of Elementary Education.** Autumn and Spring. 8:30. Three hours credit. Sudweeks. (See Elementary Education 62.)

163. **School Organization and Management.** Spring. Two hours credit. Peterson. (See Elementary Education 63.)

180. **Research Work.** The consent of the instructor is necessary before registering. Sudweeks, Lambert. Students may be given from two to four hours credit for presenting a satisfactory thesis on an assigned topic, embodying the results of independent work.

190. **Education and the Twentieth Century.** Autumn. M. W. F., 9:30. Three hours credit. Woodward. (See Philosophy of Education 90.)

PHILOSOPHY OF EDUCATION

Professors Woodward, Merrill, Swenson, Nelson;
Associate Professor Sudweeks.

This department is designed to prepare the student in the fundamentals of professional education with emphasis upon aims, objectives, the fundamental principles involved in the various levels and the relation the school bears to society.

The following sequence of courses is recommended:

1. In the junior year Philosophy of Education 74, 81, 84 and Psychology 74, or Philosophy of Education 72 or 92.
2. In the senior year Philosophy of Education 85, 86, 87, 88, 89, 90 and 94 or 96.
3. With the approval of the major professor certain courses from other departments in the College of Education may be substituted for certain courses in the above list.

Lower Division Course

35. **Principles of Education.** Autumn, Winter or Spring. M. T. W. Th. Four hours credit. Sudweeks. (See Elementary Education 1.)

Upper Division Courses

72. **Community Organization and Leadership.** (See Sociology 51.) Swenson.

74. **Rural Sociology.** (See Sociology 53.) Nelson.

81. **Science of Education.** Autumn, Winter, Spring. M. W. F., 8:30. Four hours credit. Woodward.
    A consideration of the fundamental problems of educational theory and practice; the aims, standards and contents of education. A study of the principles of determining educational values.

84. **Educational Sociology.** (See Sociology 61.) Swenson.

85. **Philosophy of Nature.** Autumn. M. W. F., 9:30. Three hours credit. Woodward.

The course deals with a brief survey of the evolution of philosophical thought; the place of philosophy in the solution of problems of modern civilization.

86. **Philosophic Ethics.** Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought, the principal philosophic problems underlying ethical theory will be discussed. (See Religious Education 81.)

87. **Ethics as Applied to Individual Development.** Winter. T. Th., 11:30. Two hours credit. Woodward.

The course aims to present a definite technique of character building. It is designed to give specific help to students and teachers interested in the development of the abundant life. (See Religious Education 82.)

88. **The Message of the World's Great Teachers.** Spring. T. Th., 11:30. Two hours credit. Woodward.

This course deals with the message of life and self development as set forth by the world's outstanding teachers. (See Religious Education 83.)

89. **Social Ethics.** Spring. M. T. W. Th., 10:30. Four hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems; the break-down of puritan ethics, individualism, Christian ethics, international good will and world peace. (See Sociology 89.)

90. **Education and Twentieth Century Civilization.** Winter. M. W. F., 9:30. Three hours credit. Woodward.

This course deals with the outstanding present day political, economics, social and educational conditions in fourteen of the most important countries of the Orient and the Occident.

92. **Vocational Education.** Autumn. M. T. W. Th. Four hours credit. Merrill. (Not given this year.)

This course will deal with the aims and needs of vocational education and how this type of educational activity answers the demand of society.

93. **Philosophical Analysis (Logic.)** Spring. M. W. F., 9:30. Three hours credit. Woodward. (Not given this year.)
This course deals with a study of the primary forms of thought; inductive and deductive processes.

94. **Methods of Character Education.** Winter. T. Th., 8:30. Two hours credit. Woodward. (Not given this year.)
Education as training for social efficiency, and the school as one of several agencies for such training. The moral significance of the various studies and activities of the school.

96. **History of Education.** Winter. M. W. F., 10:30. Three hours credit. Woodward. (Not given this year.)
A discussion of the educational theories and practices of the Greek, Roman, and Medieval periods of history, with special emphasis on the modern period.

99. **Philosophy Seminar.** Winter and Spring. Two hours credit. Woodward.
This course is intended for advanced students only. It deals with such problems as Reality, The Self, Immortality, etc. Registration is possible only by consent of the instructor.

Graduate Courses

137. **American Philosophy of Education.** Three hours credit. Time to be arranged. Woodward.

185. **Philosophy of Nature.** Winter. M. W. F., 9:30. Three hours credit. Woodward.
This course parallels Philosophy of Education 85.

186. **Philosophic Ethics.** Autumn. T. Th., 11:30. Two hours credit. Woodward.
This course parallels Philosophy of Education 86.

187. Ethics as Applied to Individual Development. Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 87.

188. The Message of the World's Great Teachers. Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 88.

189. Social Ethics. Spring. M. T. W. Th., 10:30. Four hours credit. Woodward.

This course parallels Philosophy of Education 89.

190. Education and Twentieth Century Civilization. Autumn. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 90.

191. Twentieth Century Idealism. Time to be arranged. Three hours credit. Woodward.

Course deals with the spiritual trends in modern science and their effects upon philosophic thought.

192. Vocational Education. Autumn. Four hours credit. Merrill.

This course parallels Philosophy of Education 92.

193. Logic. Spring. M. W. F., 9:30. Three hours credit. Woodward.

This course parallels Philosophy of Education 93.

194. Methods of Character Education. Winter. T. Th., 8:30. Two hours credit. Woodward.

This course parallels Philosophy of Education 94.

196. History of Education. Time to be arranged. Three hours credit. Woodward.

This course parallels Philosophy of Education 96.

197. Recent Trends in Social Ethics. Time to be arranged. Woodward. Two to four hours credit.

198. Research in Philosophy of Education. From two to four hours credit. Time to be arranged. Woodward.

199. Philosophy Seminar. Winter and Spring. T. Th. Two hours credit. Woodward.

This course parallels Philosophy of Education 99.

200. Thesis in Philosophy of Education. Time to be arranged. From four to six hours credit. Woodward.

SECONDARY EDUCATION

Professors A. N. Merrill, Woodward, Eastmond, Nelson, Romney, Lambert, Madsen; Associate Professors Sudweeks, Warnick, Assistant Professors W. H. Boyle, Jensen, Hart, Hanson; Mr. Dixon, Mr. Peterson, Mr. Hayward, Secondary Training School Faculty.

The following courses are suggested for students who desire to take work in other departments of the College of Education: Philosophy of Education 89, 92, 145; Educational Administration 50, 77; Elementary Education 60; Psychology 74, 77. With the approval of the major professor other education courses may be offered to fill major requirements.

Upper Division Courses

51. Organization and Administration of Secondary Schools. Autumn or Winter. M. W. F., 10:30. Two hours credit. Merrill.

Courses 51 and 52 are required of those desiring credit in practice teaching and recommendation to the State Board of Education for certification. Course 51 emphasizes methods of teaching in high school.

52. Organization and Administration of Secondary Schools. Autumn or Winter. T. Th., 10:30. Two hours credit. Woodward.

During this course special attention will be given to the problems of high school organization and administration.

54. Secondary Teaching. Autumn, Winter and Spring. Demonstration period, W., 10:30. Practice periods to be arranged. Eight hours credit, four hours in each of two quarters. Merrill, Boyle, Jensen, and Secondary Training School Faculty.

This is a course in practice teaching under supervision. Approximately 80 hours of participation and responsible class room teaching will be required. Prerequisites: 15 hours of selected educational work and consent of instructors.

55. **Junior High School Organization and Teaching.** Spring. M. W. F., 9:30. Three hours credit. Merrill.

This course will deal with the most vital problems in the organization and methods of teaching in the junior high school.

58. **Health Education for Teachers.** Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools. (See Zoology 58.)

*62. **Methods of Teaching Art.** Autumn and Winter. Th., 3:30. One or two hours credit. Eastmond. (See Art 54.)

63. **Methods of Teaching Agriculture.** Winter. M. W. F., 8:30. Three hours credit. Sudweeks.

A practical course in the application of methods to the teaching of Agriculture. Intended to accompany or precede Secondary Education 54. Emphasis on Smith-Hughes standards and requirements.

64. **Methods of Teaching Music.** Winter. T. Th., 8:30. Two hours credit. Hanson. (See Theory of Music 91.)

65. **Methods of Teaching Modern Languages.** Autumn. T. Th., 2:30. Two hours credit. Cummings. (See German 81, French 81, Spanish 81.)

66. **Methods of Teaching Physical Education.** Autumn

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*Special method courses offered in these and some of the other subjects, are described as separate courses in the respective departments. Credit for such courses should be used to fill major or total rather than educational requirements.

and Winter. Time to be arranged. Romney and Dixon. (See Physical Education 92.)

67. **Methods of Teaching Home Economics.** Autumn. T. Th., 8:30. Two hours credit. Warnick. (See Home Economics 72.)

68. **Methods of Teaching Speech.** Autumn and Winter. Two hours credit. One hour per week. Time to be arranged. (See Speech 91.)

69. **Methods of Teaching Biology.** Autumn or Winter. T. Th. Time to be arranged. Two hours credit. Hayward. (See Zoology 69.)

70. **Measurements of High School Teaching.** Spring. 2:30. Four hours credit. Sudweeks.

A study of standard tests, now available for use in high school subjects. Scoring tests, interpreting results, and planning remedial teaching. Open to advanced students only.

71. **Juvenile Sociology.** Spring. T. Th., 9:30. Two hours credit. Boyle. (See Sociology 71.)

81. **Science of Education.** Autumn, Winter and Spring. 8:30. Four hours credit each quarter. Woodward. (See Philosophy of Education 81.)

This course is required of all students in education who expect to qualify for high school state certification and should be taken during the junior year.

91. **The High School Curriculum.** Winter. M. T. W. Th., 9:30. Four hours credit. Merrill.

The principles governing the organization of the high school curriculum. The evaluation of the objective, the course of study, and the activity phase of the present high school curriculum.

92. **Vocational Education.** Autumn. 9:30. Four hours credit. (See Philosophy of Education 92.)

94. **Educational and Vocational Guidance.** Autumn. 9:30. M. T. W. Th. Four hours credit. Merrill.

A consideration of the principles of educational and vocational guidance and early vocational experience as factors in determining the choice of an occupation; modification of the high school curriculum to facilitate vocational choice.

Graduate Courses

101. Special Problems in High School Curriculum with Special Reference to Utah Schools. Time to be arranged. Four hours credit. Merrill.

A careful analysis will be made of the subject matter and student activities now required of students in the different phases of work in the high schools of Utah.

102. Problems in Part-time Education. Hours to be arranged. Two hours credit. Merrill and Woodward.

This course deals with the methods and problems of part-time education; the character of the population to be educated, methods of teaching in part-time classes, job analysis and course organization.

147. Research Work in Secondary Teaching. The consent of the instructor is necessary before registering. Merrill.

In certain courses, students may be given from two to four hours credit on presentation of a satisfactory written report on an assigned topic embodying the results of independent work.

148. Introduction to Research and Thesis Writing. Autumn. Two or three hours credit.

A course in principles and techniques, of thesis writing and of selection of suitable thesis problems. Candidates for the Master's degree in the College of Education are expected to take this course.

150. Graduate Seminar in Education. Each alternate Monday, 7:30 to 9:30 p. m.

169. Measurements of High School Teaching. Spring. 1:30. Four hours credit. Sudweeks.

(See Secondary Education 70.)

191. **The High School Curriculum.** Winter. M. T. W. Th., 1:30. Four hours credit.
(See Secondary Education 91.)

192. **Vocational Education.** Autumn. 9:30. Four hours credit. Merrill.
(See Philosophy of Education 92.)

194. **Educational and Vocational Guidance.** Autumn. M. T. W. Th., 9:30. Four hours credit. Merrill.
(See Secondary Education 94.)

200. **Thesis Work in Secondary Education.** From four to six hours credit, depending upon the problem. Merrill and Woodward.

ENGLISH

Alfred Osmond, Professor Emeritus
Professors Christensen, Reynolds, Holt, Merrill; Associate Professor Jensen; Assistant Professors Rowe, Young; Mr. Culmsee, Miss Black, Miss Candland.

Scope of Instruction

The English department offers courses in English language, English literature, American literature, general and comparative literature, and journalism. For convenience the courses in general and comparative literature are brought together. The courses in journalism constitute a departmental division.

Requirements for the Degree of Bachelor of Arts*

Students who elect their major in English will be required to complete thirty hours of work in English in addition to courses 1, 2, and 3, and must elect four of the five period courses; provided, however, that they make the following substitutions: Course 60 for 72; 90 for 74; and 91 for 75.

The following additional work is required: Course 12; course 81 or 95; one of the following group of courses: 83, 84, 85, 86, and 88; and course 82. The following substitutions may, however, be made: Course 57 or three hours of journalism for course 12; and course 24 or 69 for 82. Twenty-four hours in one or more foreign languages are required. A course in English history, unless taken in high school, is strongly recommended.

Courses 20, 21, 22 are not open to students who elect their major in English. For students who minor in English and who intend to teach the subject, the department specially recommends the following: 11, 12, 15, 16, 24, 71, 72, 73, 74, 75.

Students making English a minor and desiring the recommendation of the department to take secondary training in English are required to take an examination in grammar and composition.

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*The degree of Bachelor of Science is not given in English.

Requirements for the Degree of Master of Arts

Candidates for the Degree of Master of Arts in English must have the equivalent of the requirements for the Degree of Bachelor of Arts in English; they must offer upper division or graduate credit in Old English, Chaucer, and Shakespeare; they must have, exclusive of thesis credit, at least twenty hours of graduate credit in English; they must write a satisfactory thesis; and they must pass a comprehensive oral examination in the field of English language and literature. The Degree of Master of Science is not given in English.

Placement Tests for Freshman English

In Freshman English consideration is given to the individual needs of students. To determine these needs all freshmen are required to take a placement test at the time of registration. Assignments to classes are made after this test.

Lower Division Courses

1. **Composition and Literature.** Autumn. M. W. F. Classes available at 8:30, 9:30, 10:30, 1:30, and 2:30. Three hours credit.
   Review of grammar, study of the principles of composition, theme writing, and readings in literature.

2. **Composition and Literature.** Winter. Sections and time the same as in course 1. Three hours credit.
   Continuation of course 1.

3. **Composition and Literature.** Spring. Sections and time the same as in courses 1 and 2. Three hours credit.
   Continuation of course 2.

4. **Business English.** Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit. Holt.
   The substance and style of business English; correctness of diction; business forms and usages.

11. **Advanced English Grammar.** Autumn, 1:30. Spring,

2:30. Four hours credit. Young.
Prerequisites: English 1, 2, and 3.

12. **Advanced Rhetoric and Composition.** Autumn. M. W. F., 2:30. Three hours credit. Christensen.
Long themes, lectures, conferences, and required reading. Prerequisites: English 1, 2, and 3.

15. **Early American Writers.** Autumn. M. F., 9:30. Two hours credit. Merrill.
A survey of American literature from Captain John Smith to about 1865.

16. **Later American Writers.** Winter. M. F., 9:30. Two hours credit. Merrill.
A survey of American literature from about 1865 to the present century.

17. **Contemporary American Poets.** Spring. T. Th., 1:30. Two hours credit. Osmond.
A study of the principal American poets.

18. **Contemporary American Novelists.** Winter. T. Th., 1:30. Two hours credit. Osmond.
A study of the principal American novelists.

19. **Contemporary American Short Story Writers.** Autumn. T. Th., 1:30. Two hours credit. Osmond.
A study of the principal American short story writers.

20. **Masterpieces of English Literature.** Autumn. T. Th. Sec. 1, 9:30, Young; Sec. 2, 10:30, Black. Two hours credit.
A study of the principal English masterpieces.

21. **Masterpieces of English Literature.** Winter. T. Th. Sec. 1, 9:30, Young; Sec. 2, 10:30, Black. Two hours credit.
A continuation of course 20.

22. **Masterpieces of English Literature.** Spring. T. Th. Sec. 1, 9:30, Young; Sec. 2, 10:30, Black. Two hours credit.
A continuation of course 21.

23. **Contemporary British Literature.** Spring. M. W. F., 1:30. Three hours credit. Rowe.

24. **Shakespeare's Comedies.** Autumn. M. T. W. Th., 9:30. Four hours credit. Osmond.
A study of the principal comedies.

Upper Division Courses

52. **Argument and Debate.** Autumn. M. W. F., 1:30. Three hours credit. Rowe.
A study of the principles of argument followed by a series of debates on current questions. Prerequisites: English 1, 2, and 3.

53. **Romantic Prose.** Autumn. T. Th., 10:30. Two hours credit. Rowe.
A study of the principal prose writings of the Romantic Movement.

57. **Short-Story Writing.** Autumn. M. T. W. Th., 10:30. Four hours credit. Osmond.
In this course, the greater part of the student's time is given to practice in writing short-stories. Prerequisites: English 1, 2, and 3.

58. **The New Biography.** Spring. T. Th., 9:30. Two hours credit. Jensen.
A study of the best recent biographies.

59. **Poetry.** Spring. T. Th., 2:30. Two hours credit. Osmond.
A practical course in the various forms of verse-writing.

60. **English Drama to 1642.** Autumn. M. T. W. Th., 2:30. Four hours credit. Young.
The beginning and development of English drama, not including Shakespeare, to the closing of the theaters.

64. **Philology.** Winter. T. Th., 2:30. Two hours credit. Osmond.

A study of the history and development of words and their ways in English speech.

69. **Shakespeare's Tragedies.** Winter. M. T. W. Th., 9:30. Four hours credit. Osmond.

A study of the principal tragedies.

71. **Medieval Literature.** Autumn. M. T. W. Th., 9:30. Four hours credit. Christensen.

72. **English Literature from 1500-1660.** Winter. M. T. W. Th., 2:30. Four hours credit. Young.

73. **English Literature from 1660-1780.** Spring. M. T. W. Th., 2:30. Four hours credit. Jensen.

74. **English Literature from 1780-1832.** Winter. M. T. W. Th., 10:30. Four hours credit. Rowe.

75. **English Literature from 1832-1900.** Winter. M. T. W. Th., 10:30. Four hours credit. Reynolds.

81. **Chaucer.** Winter. M. T. W. Th., 8:30. Four hours credit. Christensen.

82. **Shakespeare.** Spring. M. T. W. Th., 9:30. Four hours credit. Christensen.

An intensive and critical study of the principal plays.

83. **Milton.** Winter. M. W. F., 9:30. Three hours credit. Christensen.

A study of the author's poetry and prose.

84. **Wordsworth.** Spring. M. W. F., 10:30. Three hours credit. Rowe.

The author's theory of poetry and his principal poems will be studied.

85. **Tennyson.** Autumn. M. W. F., 2:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

86. **Browning.** Winter. M. W. F., 2:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

87. **Matthew Arnold.** Spring. T. Th., 2:30. Two hours credit. Christensen.

Study of Arnold's poetry and prose.

88. **Spenser.** Winter. M. W. F., 2:30. Three hours credit. Young. (Not given this year.)

A study of the author's poetry and prose.

89. **Byron.** Winter. T. Th., 1:30. Two hours credit. Rowe.

Study of the author's principal works.

90. **Romantic Poetry.** Autumn. M. W. F., 10:30. Four hours credit. Reynolds.

A study of romanticism as manifested in the poetry of the eighteenth and nineteenth centuries.

91. **The Victorian Poets.** Spring. M. W. F., 2:30. Three hours credit. Reynolds.

92. **The English Novel.** Autumn. M. T. W. Th., 2:30. Four hours credit. Jensen.

The history of English prose fiction to the time of Scott.

93. **The Modern English Novel.** Winter. M. T. W. Th., 10:30. Four hours credit. Jensen.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

94. **The English Essay.** Winter. T. Th., 8:30. Two hours credit. Jensen.

The origins of the essay, and its development to the present time.

95. **Old English.** Autumn. M. T. W. Th., 8:30. Four hours credit. Christensen.

Old English grammar and reading exercises.

96. **Beowulf.** Winter. Four hours credit. Christensen. (Given if requested.)

The entire poem is read in the original. Prerequisite: course 95.

97. The History of the English Language. Spring. M. T. W. Th., 8:30. Four hours credit. Christensen.

An historical and philological study of the language from the Old English period to the present time.

98. Literary Criticism. Winter. M. W. F., 2:30. Three hours credit. Christensen.

A study of literary values.

General and Comparative Literature

Lower Division Courses

26, 27, 28. Types of World Drama. Autumn, Winter, Spring. T. Th., 9:30. Two hours credit each quarter. Rowe.

The great plays of the world are studied according to type.

Upper Division Courses

61. Modern European Drama. (Continental.) Autumn. T. Th., 2:30. Two hours credit. Reynolds.

62. Modern European Drama. (British.) Winter. T. Th., 2:30. Two hours credit. Reynolds.

63. Modern Drama. (American.) Spring. T. Th., 2:30. Two hours credit. Reynolds.

65, 66, 67. Types of World Literature. Autumn, Winter, Spring, T. Th., 10:30. Two hours credit each quarter. Christensen.

99. Types of Poetry. Spring. M. T. W. Th., 10:30. Four hours credit. Osmond.

A study of lyric, epic, and dramatic poetry.

Graduate Courses

160. English Drama to 1642. Autumn. 2:30. Young.

165, 166, 167. Types of World Literature. Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Christensen.

169. **Shakespeare's Tragedies.** Winter. 9:30. Osmond.

171. **Medieval Literature.** Autumn, 9:30. Four hours credit. Christensen.

172. **English Literature from 1500 to 1660.** Winter. 2:30. Four hours credit. Young.

173. **English Literature from 1660 to 1780.** Spring. 2:30. Four hours credit. Jensen.

174. **English Literature from 1780 to 1832.** Winter. 10:30. Four hours credit. Rowe.

175. **English Literature from 1832 to 1900.** Winter. 10:30. Four hours credit. Reynolds.

181. **Chaucer.** Winter. 8:30. Four hours credit. Christensen.

182. **Shakespeare.** Spring. 9:30. Four hours credit. Christensen.

183. **Milton.** Winter. 9:30. Three hours credit. Christensen.

184. **Wordsworth.** Spring. 10:30. Three hours credit. Rowe.

185. **Tennyson.** Autumn. 2:30. Three hours credit. Reynolds.

186. **Browning.** Winter. 2:30. Three hours credit. Reynolds.

187. **Matthew Arnold.** Autumn. 2:30. Two hours credit. Christensen.

188. **Spenser.** Winter. 2:30. Three hours credit. Young. (Not given this year.)

195. **Old English.** Autumn. 8:30. Four hours credit. Christensen.

196. Beowulf. Four hours credit. Christensen. (Given if requested.)

197. The History of the English Language. Spring 8:30. Christensen.

198. Literary Criticism. Winter. 2:30. Three hours credit. Christensen.

200. Thesis for Master's Degree. Time and credit to be arranged.

JOURNALISM

English 1, 2, and 3 are prerequisites for all courses in Journalism with the exception of Course 1 which may be taken concurrently with those courses.

Lower Division Courses

1. History of Journalism. Spring. M. F., 10:30. Two hours credit. Merrill.

This course will include a study of the development of the English as well as the American press, but will lay special emphasis upon recent times and movements.

2. News and Newswriting. Autumn. M. W. F., 8:30. Three hours credit. Culmsee.

A course in the study of what constitutes news as well as practice in gathering and writing news copy.

3. Reporting. Winter. Time to be arranged. Two hours credit. Merrill and Culmsee. Prerequisite: Journalism 2.

Methods of gathering and reporting news. Students will gather news in the regular channels in the City of Provo and will have experience in reporting for the daily press. Meetings for lectures will be arranged.

4. Editing and Makeup. Winter. M. W. F., 8:30. Three hours credit. Culmsee. Prerequisite: Journalism 2.

A study of and practice in copy reading, editing, newspaper makeup, and headline writing.

5. **College Journalism.** Autumn, Winter, or Spring. Time to be arranged. One hour credit each quarter. Culmsee. Prerequisite: Journalism 2 or 4, or their equivalent.

Open only to members of the staff of the Y News who have credit in Journalism 2, 3, or 4, or the equivalent.

Upper Division Courses

51. **Editorials and Editorial Writing.** Winter. M. F., 2:30. Two hours credit. Merrill.

A study of the editorial and practice in writing it.

52. **Special Feature Articles.** Spring. M. W. F., 8:30. Culmsee. Prerequisite: Journalism 2, or the permission of the instructor.

A study of newspaper and magazine special feature articles, types, and sources. Help will be given in planning and marketing the article.

53. **Writing for the Magazines.** Autumn. M. F., 2:30. Two hours credit. Merrill. Prerequisite: Consultation with the instructor.

This course is designed for those who have some hope of making writing for the press either their vocation or an important avocation. All types of magazine materials and markets will be studied.

54. **Book Reviewing.** Autumn. T. Th., 9:30. Two hours credit. Jensen. Prerequisite: Journalism 2 or 3, or English 12.

A study of current books, both fiction and non-fiction, and practice in reviewing them.

60. **Problems of the Weekly Paper.** Spring. M. F., 2:30. Two hours credit. Merrill. Prerequisite: Journalism 2 or 4.

A study of the country weekly, its place in American life, and its possibilities.

65. Technique of Publicity. Spring. T. Th., 8:30. Two hours credit. Culmsee. Prerequisite: Journalism 2 or 3.

A study of the approach to the public consciousness through the newspaper, the lecture, the radio address—in fact, a study of the purposes and means of publicizing

GEOLOGY AND GEOGRAPHY

Professors Hansen, Martin; Associate Professor Hales; Mr. Coffman.

GEOLOGY

Geology 1, 2, 3, 30, 51, 57, 71, 91 are required of students majoring in Geology.

Lower Division Courses

1. **General Geology Survey Course.** Autumn, 9:30. Winter and Spring, 10:30. M. T. W. Th. Four hours credit. Hansen.

A survey of the fields of physical and historical geology, which will give the student a basis for reading and thinking on the relation of the earth, man and nature.

2. **Physical Geology.** Winter. M. W. F., 9:30, and two Saturday field trips. Three hours credit. Hansen. Prerequisite: Geology. 1

3. **Historical Geology.** Spring. M. W. F., 9:30, and some assigned laboratory work. Three hours credit. Hansen. Prerequisite: Geology 1.

30. **Mineralogy.** Winter. T. Th., 8:30. Laboratory T. Th., 2:30 to 4:30. Four hours credit. Hansen. Prerequisites: Chemistry 6 and Geology 1.

Upper Division Courses

51. **Economic Geology.** Spring. Daily, 10:30. Five hours credit. Hansen. Prerequisites: Geology 1, 2, 3, and 30.

The geologic occurrence, economic importance and methods employed in mining the non-metallic, metallic, and mineral products.

55. **Sedimentation.** Winter. M. W. F., 8:30. Three hours credit. Hansen. (Not given this year.)

Lectures on the processes of sedimentation, supplemented by laboratory studies of unconsolidated sediments and sedimentary rocks.

57. **Soil Geology.** Spring. M. W. F., 8:30. Three hours credit. Martin. Prerequisites: Geology 1, 2, and 3; Chemistry 1, and Physics 21.

63. **Water Resources.** Autumn. M. W. F., 1:30. Three hours credit. Coffman. Prerequisite: Geology 1 and 2. (See Agronomy 63.) (Not given this year.)

A study of underground waters and their economic importance.

71. **Invertebrate Paleontology.** Spring. M. W. F., 2:30, and three hours laboratory work. Prerequisite: Zoology 55. Three hours credit. Hansen.

72. **Vertebrate Paleontology.** Spring. T. Th., 10:30. Three hours laboratory. Prerequisite: Zoology 56 or Geology 3. Three hours credit. Hansen. (Not given this year.)

73. **Stratigraphy and Fossils of the Wasatch.** Autumn. Time to be arranged. Eight hours field or laboratory work. Prerequisite: Geology 71. Three hours credit. Hansen.

83. **Seminar.** Autumn, Winter and Spring. One hour credit each quarter. W., 3:30.

Credit limited to junior and senior students who are majoring in this department.

91. **Structural and Field Geology.** Spring. Daily, 8:30, and forty hours laboratory or field work during the quarter. Five hours credit. Hansen. Prerequisite: Geology 51.

93. **Ore Deposits of Utah.** Winter. T. Th., 9:30, and trips to Utah mining districts, the expense of which the student must meet. Three hours credit. Hansen. Prerequisite: Geology 91.

95. **Geology of the United States.** Spring. Time to be ar-

ranged. 3 hours credit. Hansen. Prerequisite: Geology 91.

96. **Readings in Geology.** One to three hours credit. For students majoring in Geology. Hansen.

Graduate Courses

101, 102, 103. **Research.** Hours and credit to be arranged. Hansen.

Special problems in the field of Geology will be assigned to students prepared to do original work.

110. **Geology of Utah.** Autumn, T. Th., 1:30, and three long field trips, the expense of which is borne by the students. Three hours credit. Prerequisite: Geology 91. Hansen.

121. **Index Fossils.** Spring. M., 10:30, and six hours laboratory work by arrangement. Three hours credit. Hansen.

151. **Special Problems in Non Metals.**

151A. **Special Problems in Metals.**

155. **Sedimentation.**

191. **Engineering Problems in Geology.**

195. **Geology of the United States.**

200. **Thesis Work.**

GEOGRAPHY

Lower Division Courses

5. **Introductory Geography.** Autumn. M. T. W. Th., 1:30. Four hours credit. Coffman.

Deals with the fundamental principles of Geography.

6. **Physiography.** Winter. M. T. W. Th., 1:30. Three hours credit. Hansen and Coffman.

A general course in the agencies that work on the earth's surface and the forms developed by them.

7. **Advanced Physiography.** Spring. M. W. F., 1:30, and several field trips by arrangement. Four hours credit. Prerequisite: Geography 6. Hansen and Coffman.

Continuation of course 6.

21. **Meteorology.** Autumn. M. T. W. Th., 10:30. Four hours credit. Hales. (See Physics 21.)

This course deals with the physics of the earth's atmosphere.

31. **Geography of Economic Products.** Spring. Daily, 1:30. Three hours credit. Coffman.

This course deals with the geographic and human factors that have governed the development and localization of industries.

Upper Division Courses

50. **The Geography of Life.** Spring. M. W. F., 10:30, and all-day field trips. Four hours credit. Hansen. (Not given this year.)

Lectures and readings on the factors that control the distribution and abundance of plant, animal and human life. A thesis on some assigned aspect of the subject.

52. **Human Geography.** Autumn. M. W. F., 8:30. Three hours credit. Hansen.

The response man has made to his geographic environment.

62. **Geography of the United States.** Autumn. M. W. F. Three hours credit. Hansen. (Not given this year.)

Geography 5 and 6 are prerequisites to this course.

Graduate Courses

105, 106, 107. **Research.** Hours and credit to be arranged. Hansen.

Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.

111. Physiography of Utah. Spring. T. Th., 8:30, and three Saturday field trips. Three hours credit. Hansen.

Deals with the present surface forms of Utah and how they came to be developed.

152. Special Problems in Human Geography.

162. Geography of United States.

200. Thesis Work.

HISTORY

Professors Jensen, Snow; Associate Professor Sperry; Assistant Professor Swenson; Mr. O. M. Wilson.

Requirements for a Major in History

Students must present a minimum of fifteen hours of upper division credit in History. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. **History of Civilization.** Autumn. Daily, 9:30. Five hours credit. Snow.

An orientation course covering all phases of human achievement. Cultural and constructive forces are of chief consideration. The survey is universal in time and place.

10. **History of England to 1485.** Autumn. M. W. F., 8:30. Three hours credit. Snow.

Origin and development of the English people and English institutions from earliest times to 1485.

11. **History of England, 1485 to 1714.** Winter. M. W. F., 8:30. Three hours credit. Snow.

Special consideration to the development under the Tudors and the struggle of Divine right claims of the Stuarts against parliamentary prerogative. The triumph of Parliament 1689-1714.

12. **History of England, 1714 to 1934.** Spring. M. W. F., 8:30. Three hours credit. Snow.

Cabinet government. A survey of the reform movements, political, economic and humanitarian in the nineteenth century, and England's relation to foreign affairs, to the time of the World War and after.

20. **History of the United States to 1789.** Autumn. M. W. F., 2:30. Three hours credit. Wilson.

Problems of discovery, exploration, and colonization; causes, conflicts, and results of American Revolution; establishment of state governments; formation and ratification of Constitution of the United States.

21. **History of United States, 1789 to 1861.** Winter. M. W. F., 2:30. Three hours credit. Wilson.

Federalist and Anti-Federalist control of government; foreign affairs and the Monroe Doctrine; "Rise of the New West"; problems of nullification; economic, political, and moral phases of slavery.

22. **History of United States, 1861 to 1934.** Spring. M. W. F., 2:30. Three hours credit. Wilson.

Problems of the Civil War and reconstruction; the new economic era; a new imperialism; the United States and the World War; post-war problems.

28. **History of Hispanic America.** Winter. M. W. F., 9:30. Three hours credit. Snow.

A brief survey of the colonial period and a more thorough consideration of the development of the Hispanic American Republics and their relation to the United States.

29. **History of Hispanic America.** Spring. M. W. F., 9:30. Three hours credit. Snow.

Continuation of History 28. Emphasis on present day conditions and international relations.

Upper Division Courses

50. **Early Oriental History.** Autumn. M. W. F., 10:30. Three hours credit. Sperry.

A study of ancient civilizations including Egypt, Babylonia, Assyria, China, India, Arabia, Persia, the Hebrews, and other oriental races. The course is helpful to those especially interested in the Jewish scripture.

51, 52, 53. **History of the Hebrew Civilization.** Autumn, Winter, Spring. M. W. F., 9:30. Three hours credit each quarter. Sperry.

A survey of the forces acting on the Hebrew commonwealth from earliest times. The message and present significance of the great creative personalities in Hebrew religious life will be especially emphasized.

54. **Greek History.** Winter. M. W. F., 10:30. Three hours credit. R. B. Swensen.

A study of the social, cultural, economic, and political developments of the Greek people from the early heroic age down to Alexander. Major emphasis on phases of Greek culture which have influenced Western civilization.

57. **Roman History.** Spring. M. W. F., 10:30. Three hours credit. R. B. Swensen.

A survey extending from the rise of the Republic to the reign of Justinian. Special consideration will be given to the economic, social, cultural, and political forces which brought about the growth and decline of the Empire.

62. **Medieval History.** Winter. M. W. F., 9:30. Three hours credit. Snow. (Not given this year.)

Studies covering the period 500-1250. The disintegration of the Roman Empire and the development of the Medieval church. Attention will be given to the origin of institutions in church and state.

63. **History of Europe, 1250-1536.** Spring. M. W. F., 9:30. Three hours credit. Snow. (Not given this year.)

The rise of cities and the growing power of the Third estate; the Renaissance and the Reformation; the influence of discovery, exploration, and cultural development.

70. **History of Europe, 1556-1776.** Autumn. M. W. F., 2:30. Three hours credit. Snow.

A study of the revolutionary ideas that challenged the traditional views in science, theology, economics, and politics, and a consideration of the conflicts resulting therefrom.

71. **Europe, 1776-1878.** Winter. M. W. F., 2:30. Three hours credit. Snow.

A study of the revolutionary movements in America and Europe; the American and French revolutions; the period of reaction and emergence of liberalism and nationalism. The period from 1848 to 1878 will be given special emphasis.

72. **Europe since 1878.** Spring. M. W. F., 2:30. Three hours credit. Snow.

A study of the spread of industrialism and the consequent imperialistic competition resulting in the World War. A concluding survey of international relations and the underlying forces that make for peace or war.

80. **History of the American West.** Autumn. M. W. F., 3:30. Three hours credit. Snow.

America the frontier of Europe. International rivalry for the Caribbean area; the Atlantic tide water and the Pacific Coast. Problems of the West to 1803.

81. **History of the West.** Winter. M. W. F., 3:30. Three hours credit. Snow.

The significance of the Frontier in the development of a distinctive Americanism; the West in national issues 1803-1861.

82. **History of the West.** Spring. M. W. F., 3:30. Three hours credit. Snow.

The development and colonization of the Trans-Mississippi, the Rocky Mountains, and the Pacific West 1803-1892. Special consideration will be given to the Mormon migration and the development of Utah.

95. **American History to 1789.** Autumn. T. Th., 2:30. Two hours credit. Jensen.

A study of colonial institutions and the constitutional relations between the colonies and the mother country; constitutional theories and principles involved in the Revolution; formation of the federal constitution.

96. History of the United States from 1789 to 1861. Winter. T. Th., 2:30. Two hours credit. Jensen.

A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation.

97. History of the United States since 1861. Spring. T. Th., 2:30. Two hours credit. Jensen.

An examination of the theory of secession; constitutional aspects of the war power; the problem of reconstruction; industrial and economic expansion, insular possessions, the World War and its after effects.

Graduate Courses

110. History of England, 1066-1485. A study of the rise of the bourgeoise and the evolution of Parliamentary supremacy.

111. History of England, 1485-1714. An intensive study of the evolution of cabinet government, or the Machine Age and its industrial and social consequences.

112. History of England, 1714-1934. Expansion and industrialism and the new economic doctrine of laissez-faire.

150. Early Oriental History. Problems of ancient civilizations.

151, 152, 153. History of Hebrew Civilization.

154. Grecian History. A study of important problems dealing with the development of Greek life and culture.

157. Roman History. Problems of agrarian reform and Roman imperialism.

162. Medieval History. The struggle between the empire and papacy, feudalism, monasticism, etc.

163. Medieval History. The growth of cities, rise of national monarchies, pre-reformation movement, etc.

170. **Modern History.** A new science and philosophy of the seventeenth and eighteenth centuries.

171. **Modern History.** The struggle between liberalism and conservatism in the nineteenth century.

172. **Modern History.** Some problems connected with the World War and intricate world relations since then.

180. **History of the West.** The West as a factor in international rivalry to 1763, and as a potential force in the American Revolution.

181. **History of the West.** The influence of the West in the opening of the Mississippi, the War of 1812, the American system, etc.

182. **History of the West.** The history of the Trans-Mississippi West, the Great Basin, etc.

195. **American History.** Problems of Colonial and Revolutionary history.

196. **American History.** Topics in the development of American political and historical institutions.

197. **History of the United States.** Problems in recent American constitutional history.

198. **Problems in Historical Research.**

200. **Research for Master's Thesis.**

HOME ECONOMICS

Associate Professor Warnick; Professors Elliott, Larsen; Miss Swenson, Miss Billings, Mrs. Barlow.

It is advised that students of Home Economics take both major and minor in this department as this facilitates placement in teaching positions. Major or minor may be obtained in Clothing and Textiles, or Foods and Nutrition or Household Administration. Some Clothing and Textiles and Foods and Nutrition credits will be accepted toward a major in Household Administration. It is recommended that the prerequisites of courses be taken as listed. Household Administration 71 and Secondary Education 67 are required of students expecting teaching positions.

CLOTHING AND TEXTILES

Six approved hours of Foods and Nutrition and Household Administration may count towards a major in Clothing and Textiles.

Lower Division Courses

1 or 70. Clothing Selection and Construction. Autumn. M. T. W. Th., Sec. 1, 8:30. Sec. 2, 2:30. Three hours credit. Billings.

Fundamental principles of clothing selection and construction. Emphasis on the development of skills and the use of commercial patterns. Prerequisite or parallel: Art 21.

2 or 71. Clothing Design and Construction. Winter. 8:30 and 2:30. Three hours credit. Billings. Prerequisite 1 or 70.

Design and pattern blocking, with aim to develop freedom in design and modification of patterns.

3 or 72. Clothing Selection and Construction. Spring, 8:30 and 2:30. Three hours credit. Billings. Prerequisite: 1 and 2.

Problems in selection and construction; emphasis on textiles, textures and artistic dress.

5. Survey Course in Clothing Construction. Autumn, Winter, Spring. M. T. W. Th., 10:30. Two hours credit. Billings.

Introducing problems involved in selection and construction of personal clothing.

10. Dress Appreciation. Autumn. M. W. F., 1:30. Three hours credit. Billings.

A study of the economic and artistic problems involved in purchase of ready-to-wear clothing; fashion trends, clothing care, etc.

Upper Division Courses

50. Clothing Decoration. Autumn. M. T. W. Th., 9:30. Two hours credit. Elliott.

Planning and developing simple decorative stitches applicable to household and dress decoration. Articles of clothing applying these stitches will be made.

51. Practical Household Crafts. Winter. M. T. W. Th., 9:30. Two hours credit. Elliott.

The decorative stitchery given in course 50 is applied on clothing and articles used in the home.

52. Children's Clothing. Spring. M. T. W. Th., 9:30. Two hours credit. Elliott.

A consideration of design and construction of children's clothing suitable to various ages and types.

55. Advanced Garment Construction. Autumn. T. Th., 1:30. Two hours credit. Elliott.

Practice in renovating and remodeling. The principles of tailoring and applying the same to clothing.

56. Advanced Garment Construction. Winter. T. Th., 1:30. Two hours credit. Elliott.

Problems involved in the technique of dresses, coats, and suits. Emphasis will be placed on the tailoring of these articles.

57. Wardrobe Building. Spring. T. Th., 1:30. Two hours credit. Elliott.

Planning and designing dainty clothing for a college girl's wardrobe. Emphasis is put on the finishings of trimmings and material.

60, 61. Textiles. Autumn and Winter. T. Th., 10:30. Three hours credit each quarter. Elliott. Prerequisite: Chemistry 3.

History of primitive and modern methods of manufacturing textile fibers. The construction and finish of fabric and factors of quality and cost.

62. Economics of Clothing Selection. Spring. T. Th., 10:30. Three hours credit. Elliott.

Open to all students. Field trips to stores and industries to study material are part of this course. Lectures by specialists. Textile buying emphasized.

65. Historic Costume and Costume Design. Winter. M. W. F., 1:30. Three hours credit. Billings. Prerequisite or parallel: Art 21 and 25.

Historic development of fashion and fashion trends. Costume for school entertainment.

Note: Art Appreciation and General or European History are important background courses.

66. Costume Design. Spring. M. W. F., 1:30. Three hours credit. Billings.

A study of art principles and their application to costume design for general and specific types. Emphasis on original design by use of historic and current source material. Prerequisites: Clothing, 1, 2, 3, 65; Art 21 or 25.

Graduate Courses

160, 161. Textiles. Autumn and Winter. T. Th., 10:30. Three hours credit each quarter. Elliott.

162. Economics of Clothing Selection. Spring. T. Th., 10:30. Three hours credit. Elliott.

FOODS AND NUTRITION

Four approved hours of Clothing and Textiles or Household Administration may count toward a major in Foods and Nutrition. Majors in this department should also take Chemistry 3, 9, 76; Zoology 11; Botany 20 and 21.

These help to fill group requirements and are prerequisites for Foods and Nutrition 53.

Lower Division Courses

1. **Food Problems in the Home.** Autumn. T. Th., Lecture 2:30-3:30; Laboratory 3:30-5:30. Three hours credit.

   For girls not majoring in home economics who desire some experience in the planning, preparation, and serving of adequate, well-cooked family meals.

2. **Food Problems in the Home.** Winter. T. Th. Lecture, 2:30-3:30. Laboratory, 3:30-5:30. Three hours credit.

   A continuation of course 1. Planning a convenient kitchen; selection of kitchen equipment; preparation of luncheon dishes and the serving of luncheons at a limited cost.

3. **Food Problems in the Home.** Spring. M. W. Lecture, 2:30-3:30. Laboratory, 3:30-5:30. Three hours credit.

   A continuation of course 2. Preparation of dinner dishes and the planning, preparing, and serving of 7:30-8:30. One hour credit.

Note: Courses 1, 2, and 3 may be taken in order but there are no prerequisites for them.

4. **Cookery Problems.** Spring. M. W. F.; Laboratory 7:30-8:30. One hour credit. (Not given this year.)

   For men desiring experience in simple meal preparation. Special fee $2.00.

5. **Elementary Nutrition.** Winter. T. Th., 10:30. Two hours credit. Barlow.

   The nutritive properties of common foods and the essentials of an adequate diet, with special attention to the diet of students. Open to men and women. Required of minors in Foods and Nutrition.

10 or 70. Food Selection, Preparation, and Serving. Autumn. M. W. Lecture 2:30-3:30. Laboratory, Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Barlow.

Special attention is given to experimental cookery. A balanced diet with emphasis upon breakfast and dishes suitable to be served at this meal is considered.

11 or 71. Food Selection, Preparation, and Serving. Winter. M. W., Lecture 2:30-3:30. Laboratory. Sec. 1, T. Th., 8:30-10:30; Sec 2, M. W., 3:30-5:30. Three hours credit. Barlow.

Prerequisite: course 10. Special emphasis on different luncheon dishes. Various types of luncheons are served.

12 or 72. Food Selection. Preparation and Serving. Spring. M. W. Lecture, 2:30-3:30. Laboratory, Sec. 1, T. Th., 8:30-10:30; Sec. 2, M. W., 3:30-5:30. Three hours credit. Barlow.

Prerequisite: course 11. Special emphasis is placed on family table service. Dishes and menus for different types of dinners are studied.

15 or 75. Food Economics. Autumn. T. Th., 10:30. Laboratory in form of field trips. Three hours credit. Barlow.

Food marketing and purchasing. Principles underlying selection of materials and supplies, markets, advertising, and brands with reference to public economy and conservation.

Upper Division Courses

50. Large Quantity Cookery and Marketing. Autumn, Winter, Spring. Daily. 10:30-1:30. Five hours credit. Swenson.

Experience in management of school cafeterias, quantity cookery, marketing, cafeteria accounts. Prerequisites or parallel courses 10, 11, 12. Limited to five students each quarter.

52. **Nutrition of Children.** Winter. T. Th., 1:30. Laboratory, M. T. Th. F., 11:30-1:30. Three hours credit. Warnick. (Not given this year.)

Nutritional requirements and disorders of pregnancy, infancy, the pre-school and the school child.

53. **Nutrition.** Autumn. M. W. F., 9:30. Four hours credit. Barlow. Laboratory W. 2:30-5:30.

Prerequisites: Chemistry 3, 9, 76 and Foods and Nutrition 10, 11, 12. A study of the chemistry, digestion and metabolism of carbohydrates, fats, and proteins; the effect of food on health and growth.

54. **Dietetics. Winter.** M. W. F., 9:30. Laboratory W., 2:30-5:30. Four hours credit. Barlow.

Prerequisite: course 53. A study of minerals and their metabolism; vitamins and the deficiency diseases. The food requirements of the family and individual are considered.

55. **Nutrition in Disease.** Spring. M. W. F., 9:30. Laboratory, Wednesday 2:30-5:30. Four hours credit. Barlow.

Prerequisite: courses 53 and 54. This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases.

56. **Seminar in Nutrition.** Spring. T. Th., 10:30. Two hours credit. Barlow.

Required of all senior girls majoring in Foods and Nutrition.

57. **Advanced Problems in Cookery.** Winter. Time to be arranged. Two hours credit. Lecture and laboratory period. (Not given this year.)

58. **Experimental Animal Nutrition.** Open to seniors and graduates only. Prerequisite: 5 hours in organic or biochemistry and courses 53 and 54.

This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged. (Not given this year.)

Graduate Courses

150. Large Quantity Cooking and Marketing. Autumn, Winter, Spring. Daily, 10:30-1:30. Five hours credit. Swensen.

153. Nutrition. Autumn. M. W. F., 9:30. Four hours credit. Laboratory. Th., 2:30-5:30. Barlow.

154. Dietetics. Winter. M. W. F., 9:30. Laboratory. Th., 2:30-5:30. Four hours credit. Barlow.

155. Nutrition in Disease. Spring. M. W. F., 9:30. Laboratory. Th., 2:30-5:30. Four hours credit. Barlow.

156. Seminar in Nutrition. Spring. T. Th., 10:30. Two hours credit. Barlow.

HOUSEHOLD ADMINISTRATION

Ten approved hours of Foods and Nutrition and Clothing and Textiles may count towards a major in this field.

Lower Division Courses

1. Household Problems. Autumn. T. Th., 9:30. Two hours credit. Warnick. (Not given this year.)

This course will present the most important problems in the organization and management of the household. For students not majoring in home economics.

10. Family Health. Winter. T. Th., 8:30. Two hours credit. Warnick.

A consideration of factors underlying health; common communicable diseases and their treatment; home care of the sick.

Upper Division Courses

50. **Home Planning.** Winter. M. W. F., 1:30. Two hours credit. Larsen.

Historic development of the house. American styles of home architecture. Location and environment of the home. House planning. Effect of form, line and color. Prerequisite: Art 21. (See Art 80.)

51. **Interior Decoration.** Spring. M. W. F., 1:30. Two hours credit. Larsen.

Study of Art principles as applied to the furnishing and decorating of the home.

60. **Home Management.** Spring. M. W. F., 8:30. Three hours credit. Warnick.

The study of the organization and management of the home, including home ideals, methods of work, division of time in the household and household tools.

61. **Economics of the Household.** Winter. M. W. F., 8:30. Three hours credit. Warnick.

A study of the family income and its expenditure. Prerequisite: Sociology 11 or Economics 1.

62. **Family Relationships.** Spring. M. W. F., 1:30. Three hours credit. Warnick.

The modern family, its function and structure; modern social conditions affecting its stability and pattern; responsibilities and contributions of members of the family. Open to men and women.

63. **Standardization of Consumer's Goods.** Winter. M. W. F., 8:30. Three hours credit. Warnick. (Not given this year.)

Considers the position of the consumer-buyer today; the nature of standards and standardization; the process, and present status of standardization.

64. **Housing Problems of the Modern Family.** Autumn. M. W. F., 8:30. Three hours credit. Warnick.

This course will aim to present and discuss problems facing the homemaker today in the selection of shelter for the family.

65. Equipment. Spring. M. W. F., 10:30. Three hours credit. Barlow.

A study of electrical and non-electrical equipment for the home. Fundamental factors determining selection and use.

66. Home Laundry. Autumn. T. Th., 8:30. Two hours credit. Warnick.

Location of and equipment of the home laundry. Supplies and methods. Treatment of various textiles. Costs.

70. Vocational Survey of Field of Home Economics. Autumn. F., 3:30. One hour credit.

Members of Home Economics Faculty.

Vocational opportunities for the home economics trained women are investigated and discussed. Required of all junior students, also seniors who have not previously had the course.

71. Methods of Teaching Home Economics. Spring. T. Th., 7:30. Two hours credit. Warnick.

The historical development, growth; present scope and trend; objectives of home economics education; its organization and relation to the present educational set-up.

72. Methods of Teaching Home Economics. Autumn. T. Th., 7:30. Two hours credit. Warnick.

Teaching methods as applied to home economics curriculum content; equipment and teaching facilities; laboratory arrangement and management.

73. Seminar. Spring. Th., 1:30. One hour credit. For all senior majors. Warnick.

78. Psychology of Childhood and Adolescence. Winter. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 72.)

79. Mental Hygiene. Autumn. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 71.)

80. **Child Care.** Autumn. M. W. F., 1:30. Three hours credit. Warnick.

Problems of parental and infant care; physical and mental standards of development; general care and hygiene of mother and child.

81. **Child Development.** Winter. M. W. F., 1:30. Three hours credit. Warnick.

Habit formation and behavior problems of the infant and pre-school child; home influence in the care and training of children; mental hygiene, observation of children in the home.

82. **Seminar in Child Development.** Spring. T., 1:30. One hour credit. Warnick.

Graduate Courses

160. **Home Management.** Spring. M. W. F., 8:30. Three hours credit. Warnick.

161. **Economics of the Household.** Winter. M. W. F., 8:30. Three hours credit. Warnick.

164. **Housing Problems of the Family.** Autumn. M. W. F., 8:30. Three hours credit. Warnick.

173. **Seminar.** Spring. Th., 1:30. One hour credit. Warnick.

180. **Child Care.** M. W. F., 1:30. Three hours credit. Warnick.

181. **Child Development.** Winter. M. W. F., 1:30. Three hours credit. Warnick.

182. **Seminar in Child Development.** Spring, 1:30. One hour credit. Warnick.

HORTICULTURE

Assistant Professor Shaw; Professor Morris.

Students majoring in Horticulture are required to take the following courses: 1, 2, 3, 8, 10, 53, 59, and 80.

Lower Division Courses

1. **Principles of Pomology.** Autumn. M. W. F., 8:30. Three hours credit. Shaw.

The principles underlying profitable orchard management. History of orcharding, methods of planting, selection of locations and sites, marketing, storage, harvesting, thinning, proper care of trees.

2. **Elements of Vegetable Production.** Autumn. M. W., 8:30. Three hours credit. Shaw. (Not given this year.)

Fundamental principles underlying the production of vegetable crops.

3. **Plant Propagation.** Winter. T. Th., 9:30. Laboratory W., 2:30-5:30. Three hours credit. Shaw.

Sexual and asexual means of propagation studied. Spores, seeds, grafting, budding, cutting, layering, separation.

4, 5, 6. **Ornamental Herbaceous Plant Materials.** Autumn, Winter, Spring. T., 1:30. One hour credit each quarter. Morris.

Annual and perennial flowering plants used in landscape design will be studied. Cultural methods, and insects and disease pests of each will be also considered.

7. **Small Fruits.** Spring. W. F., 9:30. Three hours credit. Shaw.

A study of varieties, propagation, cultural methods, pruning, training, insect and disease control, and harvesting of small fruits.

8. **Ornamental Woody Plant Materials.** Autumn. T. Th.,

8:30; Laboratory 2:30-5:30. Three hours credit. Morris.

Ornamental shrubs and trees used in landscape design will be studied. The student will learn to identify a large number, and also to control various pests that attack them.

9. **Ornamental Woody Plant Materials.** Spring. T. Th., 8:30; Laboratory 2:30-5:30. Three hours credit. Morris.

This course is a continuation of Horticulture 8.

10. **Theory and Practice of Landscape Design.** Spring. T. Th., 9:30. Laboratory T., 2:30-5:30. Three hours credit. Morris (see Landscape Architecture 10.)

32. **Marketing Fruits and Vegetables.** Spring. M. W. F., 8:30. Three hours credit. Shaw.

Problems dealing with the transportation, marketing and storage of fruits and vegetables. Particular emphasis will be placed upon marketing methods and specific marketing problems.

Upper Division Courses

51. **Origin and History of Cultivated Plants.** Winter. T. Th., 8:30. Two hours credit. Morris.

Study of origin of species and varieties. Changes and adaption of plants. Interesting historical facts of plants.

52. **Systematic Pomology.** Autumn. T. Th., 1:30. Laboratory F., 2:30-5:30. Two or three hours credit. Shaw.

Emphasis placed on the identification, description, and nomenclature of fruits and fruit trees.

53. **Fundamentals of Fruit Production.** Spring. M. W. F., 1:30. Three hours credit. Shaw.

A technical course based upon plant physiology and morphology as applied to fruit production. Prerequisites: Agronomy 41, Botany 60, and Chemistry 9 or equivalent.

54. Truck Gardening. Autumn. T. Th., 2:30. Two hours credit. Shaw.

A study of large scale production for canning factories, special and general markets.

55. Practical Problems in Horticulture. Spring. Laboratory course. Time to be arranged. One hour credit. Shaw.

A study of horticultural problems in Utah. Orchards and plantations will be visited and studied.

59. Plant Breeding. Winter. M. W. F., 1:30. Three hours credit. Morris.

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection as practiced in Europe and America. Prerequisite: Genetics (given in Zoology and Botany departments.)

80. Advanced Vegetable Physiology. Winter. M. W. F., 2:30. Three hours credit. Shaw.

Ecological and physiological factors underlying the production, preparation for market, and storage of vegetable crops. Prerequisites: Agronomy 41, Botany 60 and Chemistry 9 or equivalent.

91, 92, 93. Seminar. Autumn, Winter, Spring. One hour credit each quarter. Time to be arranged.

A study of the research work being done at the various experiment stations. For seniors majoring in Horticulture.

Graduate Courses

102. Research. Time and credit to be arranged.

Students who are qualified are required to do some horticultural research problems.

120. Methods in Biological Research. Winter. T. Th., 2:30. Two hours credit. Shaw.

Analysis of research methods, field plot technique and organization and prosecution of a thesis.

153. Advanced Fruit Production.

180. Advanced Vegetable Physiology.

LANDSCAPE ARCHITECTURE

Professor Morris; Assistant Professors Shaw, Snell.

Lower Division Courses

1. **History of Landscape Architecture.** Winter. M. W. F., 8:30. Three hours credit. Morris.

Contributions of various civilizations from ancient Egypt to the present will be discussed. Emphasis on Italian Renaissance, English, French, and American styles.

2. **Elements of Drawing.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell. (See Drawing 2.)

3. **Plant Propagation.** Winter. T. Th., 9:30. Laboratory W., 2:30-5:30. Three hours credit. Shaw.

(See Horticulture 3.)

4, 5. **Ornamental Herbaceous Plant Materials.** Autumn and Winter. T., 1:30. One hour credit each quarter. Morris. (See Horticulture 4, 5.)

6. **Ornamental Herbaceous Plant Materials.** Spring. T. Th., 1:30. Two hours credit. Morris. (See Horticulture 6.)

8, 9. **Ornamental Woody Plant Materials.** Autumn and Spring. T. Th., 8:30. Lab. T., 2:30 to 5:30. Three hours credit each quarter. Morris. (See Horticulture 8 and 9.) (Not given this year.)

10. **Landscape Architectural Drawing.** Autumn. T. Th., 2:30-5:30. Two hours credit. Morris.

The pictorial representation of landscape features, including perspective, light and shade and lettering.

20. **Theory and Practice of Landscape Architecture.** Spring. T. Th., 9:30. Laboratory T., 2:30-5:30. Morris.

A general course for students not majoring in landscape architecture. Home grounds are the chief consideration of the course.

21. **Theory of Design.** Autumn. M. W. F., 8:30. Three hours credit. Morris.

Principles of design and composition as applied to landscape architecture. Unity, harmony, balance, repetition, etc. A foundation to all courses in landscape architecture.

23. **Landscape Design.** Autumn, M. W., 2:30-5:30. Two hours credit. Morris.

The design of gardens and private grounds. A fundamental course to all landscape design. (Prerequisite or parallel: course 21.)

24. **Landscape Design.** Winter. M. W., 2:30-5:30. Two hours credit. Morris.

The design of historic gardens, particularly of the Italian, French, and English Renaissance. (Prerequisites: Courses 21 and 23.)

25. **Landscape Design.** Spring. M. W., 2:30-5:30. Two hours credit. Morris.

Designing to fit the setting. Private and public grounds considered. (Prerequisite: Course 23.)

Upper Division Courses

51. **Planting Design.** Winter. Th. F., 2:30-5:30. Two hours credit. Morris.

Planting plans for gardens and grounds studied in 23, 24, 25 will be made. Plant compositions emphasized. Prerequisite courses: 4, 5, 6, 8, 9, and 23.

52. **City Planning.** Winter. T. Th., 10:30. Two hours credit. Morris.

The history of various types of city plans; advantages and disadvantages. Emphasis on Salt Lake City, Washington, D. C., and Paris. The small city studied.

60, 61, 62. **Architectural Design.** Autumn, Winter, Spring. T., 2:30-5:30. One hour credit each quarter. Morris.

Designs of such architectural features as used in the landscape will be studied and made by students. Pergolas, arbors, retaining walls, garden houses, etc.

70. **Landscape Engineering.** Autumn. T. Th., 9:30. Lab-

oratory Th., 2:30-5:30. Three hours credit. Morris.

Grades and grading as applied to land surfaces, roads and walks form the major part of the course. Simple structures also considered. Prerequisite: Surveying.

80, 81, 82. **Advanced Landscape Design.** Autumn, Winter, Spring. M. W., 2:30-5:30. Two hours credit each quarter. Morris.

The design of private and public grounds in relation to topography and natural features studied. Units of design will largely be determined by landshapes and surfaces. Prerequisites: Courses 21, 23, 24, 25, and 70.

90. **Modeling.** Winter. T. Th., 9:30. Two hours credit. Morris.

Landscape units modeled in miniature with plastelene, artificial trees, shrubs, grass, etc. This is a means of visualizing landscape compositions and topography.

Graduate Courses

101. **Special Problems in Design.** Autumn, Winter, Spring. Time and credit to be arranged. Morris.

This is a continuation of lower and advanced courses in design. It will be necessary for students who take this course to reside in Los Angeles for at least one month.

151. Planting Design.

170. Landscape Engineering.

180, 181, 182. Advanced Landscape Design.

LIBRARY

Miss Ollorton, Mrs. Gillespie, and Mrs. Brown.

11. **Use of Books and Libraries.** Autumn, Winter, or Spring. Th., 3:30. One hour credit.

The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalog will receive special emphasis.

MATHEMATICS

Professors Eyring, Marshall; Associate Professor Hales.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 49, 50, 51, 52, 71, 72.

Lower Division Courses

11. College Algebra. Autumn. Daily. Sec. 1, 8:30; Sec. 2, 2:30. Five hours credit. Eyring and Marshall.

A study of fractions, exponents and radicals, quadratic equations, logarithms, elementary series, determinants, etc.

12. Plane Trigonometry. Winter. Daily. Sec. 1, 8:30; Sec. 2, 2:30. Five hours credit. Eyring and Hales.

13. Graphical and Statistical Methods. Spring. Daily, 9:30. Five hours credit. (Not given this year.)

The graphical representation of data, method of averages, measurement of variability, correlation, probable errors, etc.

35. Mathematical Theory of Investments. Spring. M. W. F., 2:30. Three hours credit. Eyring.

Application of Algebra to general business problems, such as annuities, amortization, capitalization, depreciation, sinking fund, bond values and building and loan associations.

49. Analytic Geometry. Spring. Daily, 8:30. Five hours credit. Eyring.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc. Prerequisites: Mathematics 11 and 12.

Upper Division Courses

50. Differential Calculus. Autumn. M. T. W. Th., 9:30. Four hours credit. Marshall.

An introductory course with numerous applications of the principles to tracing of curves, and the solution of problems from geometry and mechanics. Prerequisite: Mathematics 49.

51. **Integral Calculus.** Winter. M. T. W. Th., 9:30. Four hours credit. Marshall.

The purpose and nature of integration is developed. Principles applied to problems in geometry, mechanics, and physics.

52. **Advanced Calculus.** Spring. M. T. W. Th., 9:30. Four hours credit. Marshall.

Development of the definite integral as a sum, together with development of the more theoretical aspects of the differential calculus.

71. **Differential Equations.** Autumn. M. W. F., 9:30. Three hours credit. Hales.

Differential equations of the first order, linear differential equations, total and partial differential equations with numerous applications to physics. Junior or senior year. Prerequisite: Mathematics 52.

72. **Differential Equations.** Winter. M. W. F., 9:30. Three hours credit. Hales. Continuation of 71.

81. **Theoretical Mechanics.** Autumn. M. W. F., 10:30. Three hours credit. Marshall.

Fundamental principles of mechanics and their applications to physical problems. Prerequisites: Calculus and Physics 41, 42, 43.

82. **Dynamics.** Winter. M. W. F., 10:30. Three hours credit. Marshall.

The application of d'Alembert's principle, generalized coordinates, the Lagrangian and canonical equations, Hamilton's principle, etc. Prerequisites: Mathematics 71, 72, 81.

Graduate Courses

101. **Vector Analysis.** Winter. M. W. F. Three hours credit. Marshall. (Not given this year.)

Fundamental operations of vector analysis.

102. Vector Analysis. Spring. M. W. F. Three hours credit. Marshall. (Not given this year.)

Application of vector analysis to mechanics, electromagnetic theory, and other branches of mathematical physics.

105. Advanced Calculus. Autumn. Daily, 2:30. Five hours credit. Marshall.

A review of the fundamental theory of the calculus presented with a view to precision of statement and accuracy of proof. Prerequisite: Mathematics 72.

106. Advanced Calculus. Winter. Daily, 8:30. Five hours credit. Marshall.

Theory of differential equations, study of simple integrals, multiple integrals, and infinite integrals.

107. Advanced Calculus. Spring. Daily, 8:30. Five hours credit. Marshall.

Study of some classes of functions defined by integrals; introduction to calculus of variations, and theory of functions.

Note: Courses 105, 106, and 107 will follow an outline somewhat as given in Wood's "Advanced Calculus."

171. Differential Equations. Autumn. M. W. F., 9:30. Three hours credit. Hales.

172. Differential Equations. Autumn. M. W. F., 9:30. Three hours credit. Hales.

192. Readings in Mathematics. Credit, one to three hours, depending on the work done. Marshall.

200. Thesis in Mathematics. Credit to be arranged.

MECHANIC ARTS

Assistant Professor Snell; Professors Hansen, Eastmond, Larsen; Mr. Bigelow, Mr. Coffman.

For mechanic arts teachers, it is advised that both major and minor be taken in this department.

Credit in shop courses in Mechanics is given on the basis of three hours for nine hours application each week during the quarter.

MECHANICS

Lower Division Courses

1. **Art Metal Work.** Winter. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 35.)

2. **Art Leather Work.** Spring. M. W. F. Two hours credit. Eastmond and Larsen. (See Art 36.)

4. **Shop Practice.** Autumn. Daily, 1:30-3:30. Three hours credit. Snell.

The making of projects suitable for junior and senior high school instruction in sheet metal, cold iron, and electrical lighting circuits, buzzers, bells, heating elements, etc.

5. **Ornamental Iron Work.** Autumn. T. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Craftsmanship in wrought iron work. Designing, cutting, sawing, bending, drilling, tapping, threading, finishing, etc. Lectures and outside preparation.

6. **General Construction.** Autumn, Winter, Spring. Daily, 1:30-3:30 or 3:30-5:30. Three hours credit. Snell.

Review of tool processes and tool sharpening, survey of common building materials, billing and ordering, cement forming and framing applied in simple structures.

7. **Tool Technique.** Autumn, Winter, Spring. M. W. F., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Required of all mechanics majors. Sharpening, care and use of woodworking hand tools, applied in fundamental principles of sawing, joining, fitting, fastening, etc.

11. **Elementary Auto Mechanics.** Autumn. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

Construction of the automobile and an elementary study of the principles involved. Lubrication, assembling and repairing of brakes, rear axles, transmission systems and engines.

12. **Elementary Auto Mechanics.** Winter. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

Construction and adjustment of carburetors and ignition system.

13. **Elementary Auto Mechanics.** Spring. Daily, 9:30-11:30, 1:30-3:30. Two or three hours credit. Bigelow.

Ignition, timing, "trouble shooting," battery work and starting and lighting systems.

17. **Wood Turning.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

Exercises and projects in wood turning executed through individual designs.

18. **Pattern Making.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

The principles of pattern making are taught through the making of simple patterns for machine parts.

19. **Wood and Metal Finishing.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two hours credit. Snell.

Preparation of surfaces for the application of finishes. Staining, painting, varnishing, lacquering, polishing, etc. Use of the brush and air gun.

21. **Upholstering and Seat Weaving.** Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

Typical forms of upholstery, including foundations with and without springs. Seat and panel weaving with cane and fiber.

23. **Cement.** Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Cement, mixes, tests, forming, finishing, etc, in structural and ornamental projects.

27. **Cabinet Construction.** Autumn. M. T. W. Th., 1:30-3:30, 3:30-5:30. Two or three hours credit. Snell.

Drawings are submitted and the article is made to conform to these. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and polishing.

28. **Cabinet Construction.** Winter. M. T. W. Th. Snell. Continuation of 27.

29. **Cabinet Construction.** Spring. M. W. F., 1:30-3:30. Snell.

Continuation of 28.

Upper Division Courses

51. **Ignition.** Autumn. Daily, 3:30-5:30. Two or three hours credit. Bigelow.

Battery, vibrator, and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

52. **Generators and Starting Motors.** Winter. Bigelow. Hours and credits as in 51.

The working principles of the dynamo, and testing for shorts and open circuits. Reverse current cutouts, types of generator regulation as third brush control systems and generator output.

53. Machine Work and Welding. Spring. Bigelow. Hours and credit the same as in 51.

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

57. Standard Construction Methods. Autumn. M. W. F., 8:30. Three hours credit. Snell.

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, equipment, etc.

58. Carpentry. Autumn, Winter, Spring. M. T. W. Th., 3:30-5:30. Three hours credit. Snell.

Thorough drill in saw filing. Tool practice applied in practical problems. Fitting and hanging of doors and windows, built-in cabinets, stair construction and framing. Prerequisite: Course 7, and Drawing 13.

59. Estimating. Spring. M. W. F., 8:30. Three hours credit. Snell.

Interpretation of plans and specifications. Methods of estimating and figuring costs of material and labor. Permits, contracts, liens. Prerequisite: Drawing 13.

64. Mill Work—Woodworking Machinery. Autumn, Winter, Spring. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Two or three hours credit. Snell.

Work will be handled as nearly as possible as in actual practice. Estimates and working drawings will be made and a careful check of material and labor kept and computed for each job.

65, 66, 67. Shop Work. Autumn, Winter, Spring. Two or three hours credit. M. T. W. Th., 1:30-3:30 or 3:30-5:30. Snell. Prerequisites: Courses 57, 58, 59, or their equivalents.

Advanced work, consisting of the erection of buildings, cabinet work, upholstery, pattern work, or novelty work.

DRAWING

While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

Lower Division Courses

1. **Theory and Practice of Design.** Autumn. M. W. F., 1:30. Two hours credit. Eastmond and Larsen. (See Art 21.)

2. **Elements of Drawing.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

   This course is designed to give facility in lettering, drawing of simple working drawings, charts, graphs, making sketches and reading drawings. (See Accounting and Business Administration 10.)

3. **Free-hand Lettering.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

   Practice in lettering as applied in architectural and engineering office work.

4. **Engineering Drawing.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

   The care and use of instruments, lettering, applied geometry, and orthographic projection.

5. **Engineering Drawing.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

   Pictorial representation, developed surfaces, intersections, and working drawings. Prerequisite: Drawing 4 or equivalent.

6. **Descriptive Geometry.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two or three hours credit. Snell.

   A study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution, with application to practical problems. Prerequisites: Drawing 4 and 5.

8. **Elementary Machine Design.** Autumn. Daily, 9:30 or 10:30. Two hours credit. Snell.
Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blueprints. Prerequisites: Drawing 4, 5, 6.

9. **Elementary Machine Design.** Winter. Daily, 9:30 or 10:30. Two hours credit.
Continuation of 8.

10. **Shades and Shadows.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.
Planned to give fundamental knowledge necessary for casting shadows in architectural design.

11. **Instrumental Perspective.** Autumn, Winter, or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.
The theory and application of methods of drawing architectural perspectives. Prerequisites: Drawing 4, 5 and 6, or equivalent.

12. **Rendering.** Autumn, Winter or Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.
Wash rendering practice plates and rendering of architectural elements.

13. **Architectural Drawing.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.
Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisites: Drawing 4, 5 and 6, or equivalent.

14. **Architectural Drawing.** Winter. Daily, 9:30 or 10:30. Two hours credit.
Continuation of 13.

15. **Architectural Drawing.** Spring. Daily, 9:30 or 10:30. Two hours credit.
Continuation of 14.

16, 17, 18. **Architectural Design.** Autumn, Winter, Spring. Daily, 9:30 or 10:30. Extra laboratory period arranged any afternoon. Two or three hours credit each quarter. Snell.

A series of order problems involving the study of the principles of composition. Problems similar to Class B Analytiques of the Beaux-Arts Institute of Design will be followed. Prerequisites: Drawing 6, 10, 11, 12.

19. **Topographical Drawing.** Autumn, Spring. Daily, 9:30 or 10:30. Two hours credit. Snell.

Practical elementary work in topographical drawing. Mapping and plotting from field notes. Prerequisites: Drawing 4, 5 and 6.

Upper Division Courses

51, 52, 53. **Architectural Design.** Autumn, Winter, Spring. Daily, 9:30-10:30. Extra laboratory periods arranged any afternoon. Three hours credit each quarter. Snell.

Designing, rendering, detailing, tracing, and blueprinting. A complete set of plans with one display drawing each quarter. Prerequisites: Drawing 16, 17 and 18.

ENGINEERING

Drawing 4, 5, 6, 7, and Mechanics 7, 18, 51, 52, 53, 57, 59 are required of all pre-engineering students.

Lower Division Courses

1, 2, 3. **Elementary Surveying.** Autumn, Winter, Spring. M. W. F., 3:30. Two hours credit each quarter. Prerequisites: Trigonometry and Drawing 4, 5, 6.

Methods of using the compass, tape, level and transit in making plain surveys, differential leveling, profile and cross-section work, curves, grades, computation platting,

Upper Division Courses

63. Irrigation and Drainage. Autumn. M. W. F., 1:30. Three hours credit. Coffman. (See Geology 63.)

91. Economic Geology. Spring. Daily, 10:30. Five hours credit. Hansen. (See Geology 91.)

94. Plane Table Surveying. Spring. M. W. F., 3:30. Two hours credit. Hansen and Snell. (See Geology 191 and Drawing 19.)

MODERN AND CLASSICAL LANGUAGES

Professors Cummings, De Jong; Associate Professor Sperry; Assistant Professor Swensen; Mrs. Roberts, Miss Black, Mr. Ernest Young.

Students who intend to complete a major in German, French or Spanish are advised to offer two high school units of the chosen language. Two units of elementary Latin are recommended for those who intend to do graduate work in the department. Ample opportunity, however, is offered in college for this preliminary work. Baccalaureate majors are required to furnish in addition to courses 11, 12, 13 or their equivalent, which is about two units of high school credit, 54-56, 57-59, 61-63, 71-73, 81-83 and Phonetics 42. Students who complete a minor in one of the languages and expect to receive the departmental recommendation as teachers in the subject are advised to include courses: 11-13, 54-56, 57-59, 81-83, and Phonetics 42.

GERMAN

Lower Division Courses

1, 2, 3. **Elementary German.** Autumn, Winter, Spring. Daily, 9:30. Five hours credit. De Jong.

Designed for those who have had no German. Pronunciation, reading, and the fundamentals of grammar, the building up of a substantial reading vocabulary.

11, 12, 13. **Elementary German.** Autumn, Winter, Spring. Daily, 9:30. Five hours credit. De Jong.

Designed for those who have had no German and who have the desire and ability to make more than ordinary progress. Training in the ability to read, in understanding spoken German and in speaking German.

Upper Division Courses

51, 52, 53. **Advanced German.** Autumn, Winter, Spring. M. W. F., 3:30. Three hours credit each quarter.

De Jong. Prerequisite: German 3 or fifteen hours of German, or two units of German in high school.

Comprehensive study of grammar. Conversation and composition. Reading from the general field.

54, 55, 56. **Advanced German.** Autumn, Winter, Spring. M. W. F., 8:30. Three hours credit. De Jong. Prerequisites: German 11, 12, 13 or their equivalent.

Designed for those who desire to advance rapidly in the language. The various language skills, viz., reading, understanding, speaking and writing, and grammar.

57, 58, 59. **Advanced German Reading.** Autumn, Winter, Spring. T. Th., 8:30. Two hours credit each quarter. De Jong. Prerequisites: German 1, 2, 3 or their equivalent.

A companion series for series 51, 52, 53 or series 54, 55, 56. Reading, extensive and intensive, with stress on vocabulary building, conversation and ear training.

61, 62, 63. **German Composition and Conversation.** Autumn, Winter, Spring. M. W., 3:30. Two hours credit each quarter. De Jong. Prerequisite: Twenty-four hours of German or the consent of the instructor.

71, 72, 73. **Introduction to German Literature and Culture.** Autumn, Winter, Spring. T. Th., 3:30. Two hours credit. De Jong. Prerequisite: Thirty hours of German or the consent of the instructor.

A general view of the literary periods, movements, and social background, with representative readings.

81. **Methods of Teaching Modern Languages.** Autumn. T. Th., 2:30. Two hours credit. Cummings. (See Secondary Education 65.)

Designed for language majors in their senior year, should follow work in principles of education and general methods. Should be followed by 82, 83.

82, 83. **German for Teachers.** Winter, Spring. T. Th., 1:30. Two hours credit. De Jong.

Problems of German pronunciation, grammar, versification, reading, etc. A brief introduction to the history of the German language.

Graduate Courses

At least 40 hours of undergraduate German are prerequisite to graduate credit in any graduate course to be applied toward a master's degree in German.

121, 122, 123. German Novel from 1800 to the Present. Two hours credit each quarter. De Jong. (Not given this year.)

131, 132, 133. German Drama from 1800 to the Present. Two hours credit each quarter. De Jong. (Not given this year.)

141. Lessing. Autumn. Time to be arranged. Two hours credit. De Jong. (Not given this year.)

142. Schiller. Winter. Time to be arranged. Two hours credit. De Jong. (Not given this year.)

143. Goethe. Spring. Time to be arranged. Two hours credit. De Jong. (Not given this year.)

144. Kleist and Grillparzer. Autumn. M., 4:30. Two hours credit. De Jong.

145. Hebbel and Ludwig. Winter. M., 4:30. Two hours credit. De Jong.

146. Hauptmann and Sudermann. Spring. M., 4:30. Two hours credit. De Jong.

161, 162, 163. Advanced German Composition and Conversation. Autumn, Winter and Spring. M. W., 3:30. Two hours credit each quarter. De Jong.

171, 172, 173. German Literature of the Eighteenth, Nineteenth, and Twentieth Centuries Respectively. Autumn, Winter, Spring. T. Th., 3:30. Two hours credit each quarter. De Jong. (Not given this year.)

181. Methods of Teaching Modern Languages. Autumn, T. Th., 2:30. Two hours credit. Cummings.

182, 183. German for Teachers. Winter, Spring. T. Th., 1:30. Two hours credit. De Jong.

Problems of German pronunciation, grammar, versification, reading, etc. A brief introduction to the history of the German language.

200. Research for Master's Thesis.

FRENCH

Lower Division Courses

1, 2, 3. Elementary French. Autumn, Winter, Spring. Daily, 9:30. Five hours credit each quarter. Cummings.

Designed for those who have had no French. Pronunciation, reading, the fundamentals of grammar, and the building of a substantial reading vocabulary.

11, 12, 13. Elementary French. Autumn, Winter, Spring. Daily, 9:30. Five hours credit each quarter. Roberts.

Designed for those who have had no French, and who have the desire and the ability to make more than ordinary progress. Training in the ability to read, in understanding spoken French and speaking French.

23. Elementary French. Autumn, Daily. 3:30. Five hours credit. Roberts. Prerequisite: French 2, or one unit of high school, French taken recently.

Pronunciation, reading, fundamentals of grammar, and the building of a substantial vocabulary. To be followed by French 52.

Upper Division Courses

51, 52, 53. Advanced French. Autumn, Winter, Spring. M. W. F., 3:30. Three hours credit each quarter.

Roberts. Prerequisite: French 3, or fifteen hours of French or two units of French in high school.

Comprehensive study of grammar. Conversation and composition. Reading from the general field.

54, 55, 56. Advanced French. Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit each quarter. Cummings. Prerequisites: French 11, 12, 13 or their equivalent.

Designed for those who desire to advance rapidly in the various language skills, viz., reading, understanding, speaking and grammar.

57, 58, 59. Advanced French Reading. Autumn, Winter, Spring. 1:30. Two hours credit each quarter. Roberts. Prerequisties: French 1, 2, 3 or their equivalent.

A companion series for series 51, 52, 53 or series 54, 55, 56. Reading extensive and intensive, with stress on vocabulary building, conversation and ear training.

61, 62, 63. French Composition and Conversation. Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Cummings and Roberts. Prerequisite: Twenty-four hours of French or the consent of the instructor.

71, 72, 73. Introduction to French Literature and Culture. Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cummings. Prerequisite: Thirty hours of French or the consent of the instructor. (Not given this year.)

A general view of the literary periods, movements, and social background, with representative readings.

81. Methods of Teaching Modern Languages. Autumn, 2:30. T. Th. Two hours credit. Cummings. (See Secondary Education 65.)

Designed for language majors in their senior year and should follow work in principles of education and general methods. Should be followed by 82, 83.

82, 83. French for Teachers. Winter, Spring. T. Th., 2:30. Two hours credit. Cummings.

Problems of French pronunciation, grammar, versification, reading, etc. A brief introduction to the history of the French language.

Graduate Courses

121, 122, 123. French Novel from 1800 to the Present. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

131, 132, 133. French Drama from 1800 to the Present. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

141. Corneille. Autumn. Time to be arranged. Two hours credit. Cummings. (Not given this year.)

142. Racine. Winter. Time to be arranged. Two hours credit. Cummings. (Not given this year.)

143. Moliere. Spring. Time to be arranged. Two hours credit. Cummings. (Not given this year.)

161, 162, 163. Advanced French Composition and Conversation. Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Cummings and Roberts.

171, 172, 173. French Literature of the Seventeenth, Eighteenth and Nineteenth Centuries. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Cummings. (Not given this year.)

181. Methods of Teaching Modern Languages. Autumn. T. Th., 2:30. Two hours credit. Cummings.

182, 183. French for Teachers. Winter, Spring. T. Th., 1:30. Two hours credit. Cummings.

Problems of French pronunciation, grammar, versification, reading, etc. An introduction to the history of the French language.

200. Research for Master's Thesis.

SPANISH

Lower Division Courses

1, 2, 3. Elementary Spanish. Autumn, Winter, Spring. Daily, 8:30. Five hours credit each quarter. Young.

Designed for those who have had no Spanish. Pronunciation, reading, and the fundamentals of grammar. Special emphasis on the building of a substantial reading vocabulary.

Upper Division Courses

51, 52, 53. Advanced Spanish. Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit each quarter. Young. Prerequisite: Spanish 3, or fifteen hours of Spanish or two units of Spanish in high school.

Comprehensive study of grammar. Conversation and composition based on reading. Reading from the general field.

57, 58, 59. Advanced Spanish Reading. Autumn, Winter, Spring. 1:30. Two hours credit each quarter. Cummings. Prerequisites: Spanish 1, 2, 3 or their equivalent.

A companion series for series 51, 52, 53. Reading extensive and intensive, with stress on vocabulary building.

61, 62, 63. Spanish Composition and Conversation. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Cummings. Prerequisite: Twenty-four hours of Spanish. (Not given this year.)

71, 72, 73. Introduction to Spanish Literature and Culture. Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cummings. Prerequisite: Thirty hours of Spanish or the consent of the instructor.

A general view of the literary periods, and movements, and social background, together with representative readings. (Not given this year.)

81. Methods of Teaching Modern Languages. Autumn.

T. Th., 2:30. Two hours credit. Cummings. (See Secondary Education 65.)

Designed for language majors in their senior year and should follow work in principles of education and general methods.

82, 83. Spanish for Teachers. Winter, Spring. T. Th., 1:30. Two hours credit. Cummings.

Problems of Spanish pronunciation, grammar, reading, versification, etc. A brief introduction to the history of the Spanish language.

ITALIAN

Lower Division Courses

1, 2, 3. Elementary Italian. Autumn, Winter, Spring. M. W. F., 10:30. Three hours credit each quarter. Cummings.

Introduction to the elements of grammar. Special attention to accurate pronunciation for the benefit especially of students of vocal music. Easy reading.

LATIN

Lower Division Courses

1, 2, 3. Elementary Latin. Autumn, Winter, Spring. Daily, 8:30. Five hours credit each quarter. Black.

Designed for those who have had no Latin. Mastery of pronunciation, declensions and conjugations. Correlation of Latin originals with English derivatives. Graded reading. Characteristics of Roman civilization.

Upper Division Courses

51, 52, 53. Advanced Latin. Autumn, Winter, Spring. Daily, 1:30. Three hours credit each quarter. Black. Prerequisite: Latin 3 or two units of Latin in high school.

Comprehensive study of grammar. Composition. Reading from the classics.

GREEK

Lower Division Courses

1, 2, 3. Elementary Greek. Autumn, Winter, Spring. M. W. F., 8:30. Three hours credit each quarter. Swensen.

Designed for those who have had no Greek. The fundamentals of Greek syntax, declensions, and conjugations. Readings in the Greek New Testament. Hellenistic culture and its literary productions.

Upper Division Courses

54, 55, 56. Advanced Greek. Autumn, Winter, Spring. Three hours credit each quarter. Swensen. Prerequisites: Greek 1, 2, 3 or the equivalent.
(Not given this year.)

Translation, readings from the Greek New Testament, Epictetus, and Xenophon. Comparison and contrast of the classical and Hellenistic literary and grammatical forms.

HEBREW

Lower Division Courses

1, 2, 3. Elementary Hebrew. Autumn, Winter, Spring. M. W. F., 8:30. Three hours credit each quarter. Sperry.

A beginning course. Pronunciation, fundamentals of grammar, and drill in graded reading.

PHONETICS

Lower Division Course

42. Practical Phonetics. Autumn. T. Th., 1:30. Two hours credit. De Jong.

The elementary principles of speech mechanics in their relation to correct diction. This course correlates with courses in the Modern Languages, Speech, and Vocal Music.

MUSIC

Professors Jepperson-Madsen, Robertson, Madsen, De Jong; Associate Professor Sauer; Assistant Professor Hanson; Miss Summerhays Mr. Nelson, Mr. Fitzroy, Mrs. Packard, Mr. Buggert.

Those who major in the Department of Music must complete the following courses: Theory of Music 11, 12, 13; 21, 22, 23; 31; 61; 81; Piano, 3 hours; Vocal Culture, 3 hours; and Vocal or Instrumental Ensemble, 6 hours. Those preparing to teach should also take Theory of Music 41 and 91. These requirements are subject to change where conditions warrant individual consideration.

The work presented by those who minor in the Department of Music should include the following courses: Theory of Music 11, 12, 13; 21; 22; 31; 41; 91.

Private courses are indicated by -p. In the instrumental division, the letter immediately following the number indicates the instrument; e. g., 7 p-p means course 7, private piano; 3 t-p means course 3, private trombone, etc.

THEORY OF MUSIC

Lower Division Courses

11. Grammar of Music. Autumn. T. Th. Two hours credit. Madsen.

12, 13. Solfeggio. Winter, Spring. T. Th. Two hours credit each quarter. Jepperson-Madsen.

The study of intervals, diction, and sight-singing.

21, 22, 23. Harmony. Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Robertson.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords; open harmony.

31, 32, 33. Philosophy and Appreciation of Music. Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Madsen.

The important philosophies of music and musicians; the philosophy of the elements of music, musical structure, musical compositions, musical values.

41. **Public School Methods.** Autumn or Spring. M. W. F. Three hours credit. Hanson.

Special technique of instruction and material for the grades; class demonstrations and supervised teaching. Prerequisite: Theory of Music 11.

Upper Division Courses

61, 62, 63. **Solfeggio.** Autumn, Winter, Spring. T. Th. Two hours credit each quarter. Jepperson-Madsen.

Prerequisite: Theory of Music 11, 12, and 13. Training in advanced sight singing.

71, 72. **Harmony.** Autumn, Winter. M. W. F. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 21, 22, 23. Modulation; secondary seventh and altered chords; non-harmonic tones; modern harmony.

73. **Form and Analysis.** Spring. M. W. F. Three hours credit. Robertson.

Prerequisite: Theory of Music 72, or the equivalent. Study of musical form, from the section to the sonata; harmonic analysis.

81, 82, 83. **History.** Autumn, Winter, Spring. M. W. F. Three hours credit each quarter. Madsen.

Alien musical systems, ancient and modern. Origin of musical instruments. Medieval and modern music.

91. **High School Methods.** Winter. T. Th. Two hours credit. Hanson.

Special technique of instruction and materials for the junior and senior high schools. This course should precede or accompany Secondary Education 54. (See Secondary Education 64.)

92, 93. **Counterpoint.** Autumn, Winter. T. Th. Two hours credit each quarter. Madsen.

An elementary course in counterpoint.

94. Composition. Spring. T. Th. Two hours credit. Madsen.

An elementary course in composition in the smaller forms. Prerequisites: Theory of Music 73, 92, 93.

95. Instrumentation. Winter. T. Th. Two hours credit. Sauer.

A practical course for high school teachers and supervisors in arranging for band and orchestra.

Graduate Courses

121, 122, 123. Counterpoint. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisites: Theory of Music 71, 72, 73. Strict and free counterpoint in the various species.

124, 125, 126. Canon and Fugue. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisites: Theory of Music 121, 122, 123.

127, 128, 129. Instrumentation. Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 23. Study of orchestra instruments; arranging in solo, duet, trio, and quartet form; arranging for string and symphony orchestra.

171, 172, 173. Modal Counterpoint. Autumn, Winter, Spring. Three hours credit each quarter. Robertson.

Prerequisite: Theory of Music 23. The contrapuntal system of Palestrina, Des Pres, and Lasso.

181, 182, 183. Composition. Autumn, Winter, Spring. Three hours credit each quarter. Madsen.

Prerequisite: Theory of Music 73, and at least one quarter of 121 and 171.

200. Research for Master's Thesis. Credit to be arranged.

INSTRUMENTAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6. Band. Autumn, Winter, Spring. Daily. One hour credit each quarter, Sauer.

Admission by consent of director.

7, 8, 9; 10, 11, 12. Orchestra. Autumn, Winter, Spring. Daily. One hour credit ecah quarter. Robertson.

Admission by consent of director.

13, 14, 15; 16, 17, 18. String Ensemble. Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Robertson.

19, 20, 21; 22, 23, 24. Band Ensemble. Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Sauer.

1, 2, 3; 4, 5, 6p-p. Piano. Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

7, 8, 9p-p. Piano Ensemble. Autumn, Winter, Spring. One hour credit each quarter. Nelson.

The fundamentals of ensemble playing. Four, six, and eight hand arrangements.

10p-p. Piano Pedagogy. Any quarter. One hour credit. Nelson, Hanson, Fitzroy.

Methods and problems of piano teaching in the elementary grades.

1, 2, 3; 4, 5, 6v-p. Violin. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

1, 2, 3; 4, 5, 6c-p. Cornet. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3b-p. Baritone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13b-p. Bassoon. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

21, 22, 23b-p. Bass (Tuba.) Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13; 14, 15, 16c-p. Clarinet. Autumn, Winter, Spring. One hour credit each quarter, Sauer, Madsen.

1, 2, 3d-p. Drums and Tympani. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3f-p. Flute. Autumn, Winter, Spring. One hour credit each quarter. Nelson.

11, 12, 13f-p. French Horn. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3o-p. Oboe. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13o-p. Organ. Autumn, Winter, Spring. One hour credit each quarter. De Jong.

1, 2, 3; 4, 5, 6s-p. Saxophone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13s-p. String Bass. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

1, 2, 3; 4, 5, 6t-p. Trombone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

11, 12, 13v-p. Viola. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

21, 22, 23; 24, 25, 26v-p. Violoncello. Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Upper Division Courses

51, 52, 53; 54, 55, 56. Concert Band. Autumn, Winter, Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of the director. Standard overtures, operatic selections, and miscellaneous military band music.

57, 58, 59; 60, 61, 62. Symphony Orchestra. Autumn, Winter, Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director. Study of selections, overtures, symphonies, and accompaniments.

51, 52, 53; 54, 55, 56p-p. Piano. Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

63, 64, 65; 66, 67, 68. String Ensemble. Autumn, Winter, Spring. Three times each week. One hour credit each quarter. Robertson.

69, 70, 71; 72, 73, 74. Band Ensemble. Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Sauer.

51, 52, 53; 54, 55, 56v-p. Violin. Autumn, Winter, Spring. One hour credit each quarter. Robertson.

51, 52, 53; 54, 55, 56c-p. Cornet. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

61, 62, 63; 64, 65, 66c-p. Clarinet. Autumn, Winter, Spring. One hour credit each quarter. Sauer, Madsen.

61, 62, 63; 64, 65, 66o-p. Organ. Autumn, Winter, Spring. De Jong.

63p-p. Piano Pedagogy. Spring. One hour credit. Nelson.

Prerequisite: 10p-p. Methods and problems of piano teaching in the higher grades.

51, 52, 53t-p. Trombone. Autumn, Winter, Spring. One hour credit each quarter. Sauer.

71, 72, 73; 74, 75, 76v-p. Violoncello. Autumn, Winter, Spring. One hour credit each quarter. Buggert.

Graduate Courses

101, 102, 103-p. Instrumental. Autumn, Winter, Spring. One hour credit each quarter.

Advanced instruction on any of the standard instruments.

VOCAL MUSIC

Lower Division Courses

1, 2, 3; 4, 5, 6-p. Vocal Culture. Private or in groups. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

13, 14, 15; 16, 17, 18. Ladies Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Open to inexperienced singers. This course also provides participation in Mixed Chorus.

13, 14, 15; 16, 17, 18. Male Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Open to inexperienced singers. This course also provides participation in Mixed Chorus.

42. Phonetics. Autumn. T. Th., 1:30. Two hours credit. De Jong.

(See Phonetics 42 in Department of Modern and Classical Languages.)

Upper Division Courses

51, 52, 53; 54, 55, 56-p. Vocal Culture. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen, Madsen, Summerhays, Packard.

63, 64, 65; 66, 67, 68. Ladies Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

63, 64, 65; 66, 67, 68. Male Glee Club. Autumn, Winter, Spring. One hour credit each quarter. Madsen.

Admission by consent of director. Participation in Mixed Chorus work is also provided in this course.

Graduate Courses

111, 112, 113-p. Vocal Culture. Autumn, Winter, Spring. One hour credit each quarter.

PHYSICAL EDUCATION

Professor Romney, Dr. Cullimore, Dr. Oaks, Dr. Merrill; Assistant Professors Hart, Jeppson; Mr. Dixon, Mrs. Aline Coleman Smith, Miss Ballif.

The purpose of the department is primarily to conserve the health and vitality of the students, to establish correct motor habits and to educate for wholesome and efficient living. To offset the undesirable effects of sedentary school life, vigorous activity in the form of games, gymnastics and competitive athletics are offered. Instruction is given in personal hygiene in connection with the exercise period so that the students may have a theoretical basis as a guide to correct living.

A thorough physical and medical examination will be given each new student upon entering the institution. All freshmen are required to take one credit hour of physical education of the physical activity variety in each of the three quarters. Also all students are required to take Physical Education 1 during their freshman year.

Upper classmen who are not taking physical education for credit are urged to engage in some form of physical exercise. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

All students whether enrolled in regular classes in physical education or on regular athletic squads are invited and urged to use the physical training and athletic facilities of the institution whenever they are available.

An extensive program of intramural sports for both men and women is sponsored and supervised by the department.

Students interested in intercollegiate athletic competition in any form will be given opportunity to try out for the athletic teams representing the University and in case they display sufficient ability to be chosen as members of these teams, they may substitute this work for the required activity courses in physical education.

The department also offers professional courses which are designed to prepare teachers and directors in physical education, directors of athletics, supervisors of dancing and leaders in play and other forms of social and recreational activities.

Students interested in play and recreation are referred to the following courses: Physical Education 7, 8, 9, 14, 15, 17, 18, 19, 21, 22, 24, 25, 26, 31, 42, 54, 71, 72, 73 and Religious Education 74, 75, 76.

Students interested in health education work are referred to Physical Education 1 (Personal Hygiene); 91 (General Kinesiology); 95 (First Aid in Athletic Training); Zoology 58 (Health Education for Teachers); Zoology 65 (Human Physiology); Foods and Nutrition 5 (Elementary Nutrition); Foods and Nutrition 53, 54, 55 (Nutrition, Dietetics, and Nutrition in Disease).

Major and Minor Requirements in Physical Education

Both men and women students majoring or minoring in Physical Education are required to take the following foundational courses:

Chemistry 1 or 4, Zoology 11 or 65, Psychology 11, 21, or 74, Botany (Bacteriology) 21, Sociology 11 or 61, Physics 11, and for those who wish to qualify for a teacher's certificate such courses in secondary education as will satisfy the State Board of Education.

In addition to the foregoing the following courses in the department of Physical Education are required:

- In the Men's Department:
  - Major requirements:
    - Physical Education 7, 8, 9
    - Physical Education 51, 52, 53
    - Physical Education 71 or 72 or 73
    - Physical Education 90, 91, 92
    - Physical Education 93, 95, 96.
  - Minor requirements:
    - Physical Education 7, 8, 9
    - Physical Education 51 or 52 or 53
    - Physical Education 71 or 72 or 73
    - Physical Education 90, 91, 92, 93.
- In the Women's Department:
  - Major requirements:
    - Physical Education 7, 8, 9

Physical Education 54 or 55, 56
Physical Education 61, 62 or 63, 65
Physical Education 71 or 72 or 73
Physical Education 81 or 82 or 83
Physical Education 90, 91, 92
Physical Education 93, 95, 96.

Minor requirements:
Physical Education 7, 8, 9
Physical Education 41, 42
Physical Education 54 or 55
Physical Education 61, 73, 81
Physical Education 90, 91, 93

Lower Division Courses

1. **Personal Hygiene.** Autumn, Winter or Spring. M. W., 1:30. One hour credit. Cullimore, Oaks, Merrill.

This course is required of all freshmen students. The course is designed to present in a popular manner problems concerning personal hygiene and proper health habits.

4, 5, 6. **Elementary Physical Education.** Autumn, Winter, Spring. M. W. F. One hour credit each quarter. Women's sections at 10:30, 2:30. Men's sections 9:30 (Autumn and Spring, Tumbling): 10:30; 1:30 (Boxing); 2:30; 3:30.

This course is designed for freshmen. It will include games, and a variety of athletic and gymnastic activities.

7, 8, 9. **Advanced Physical Education.** Autumn, Winter, Spring. One hour credit each term. For men and women. Men's section. T. Th., 2:30 to 4:00. Hart. Women's section. T. Th., 4:30 to 6:00. Jeppson. Prerequisite: 4 hours credit in freshman physical education.

This course will embrace instruction in more advanced types of physical education activities including gymnastics, apparatus activity, tumbling, pyramids, stunts, marching tactics and games.

14. Archery. Autumn. M. W. F., 9:30. 1 hour credit. For men and women. Ballif.

Emphasis will be placed on the following: equipment, technique, and methods.

15. Tumbling. Autumn, Winter, Spring. M. W. F., 9:30. One hour credit. For men. Hart.

15 Tumbling, Pyramid Building, and Stunts. Winter. M. W. F., 9:30. One hour credit. For women. Ballif.

Emphasis will be placed on the selection and care of equipment, technique of tumbling, balancing, pyramiding and demonstration programs.

16. Track and Field for Women. Spring. M. W. F. One hour credit, 9:30. Jeppson.

17. Boxing. Autumn, Winter, Spring. M. W. F., 1:30. One hour credit.

This course will consist of the theory and practice

18. Wrestling. Fall, Winter. M. W. F., 4:30. One hour credit.

This course will consist of the theory and practice of wrestling.

19. Tennis. (Men and Women.) Spring. M. W. F. Men, 9:30; Women, 8:30. One hour credit. Dixon and Ballif.

This course will consist of the theory and practice of tennis. Limited to number of students the courts will accommodate.

21, 22. Development Activities for Elementary Teachers. Winter, Spring. T. Th., 3:30. One hour credit each quarter. Jeppson. Especially designed for those preparing to teach in the elementary grades.

Emphasis will be given to Danish gymnastics, games, folk dancing, and rhythmical expressions.
of boxing.

23. Basketball for Women. Winter. M. W. F., 1:30. Jeppson.

A general course in basketball for women.

24. **Fencing.** Spring, 4:30. Three periods each week. One hour credit. Open to both men and women. (Not given this year.)

25. **Social Dancing.** Autumn, Winter. T. Th., 4:30 to 6:00. 1 hour credit. Open to Freshmen and Sophomore men and women only. Jeppson.

26, 27, 28. **Elementary Clog and Tap Dancing.** Autumn, Winter, Spring. T. Th., 9:30. One hour credit. Jeppson.

Suggested for women majoring or minoring in Physical Education.

31, 32, 33. **Elementary Creative Dancing.** Autumn, Winter, Spring. T. Th., 2:30. One hour credit each quarter. Smith.

Suggested for women majoring or minoring in Physical Education. This course will offer instruction in the fundamentals of grace and rhythm.

41. **Rhythms, Character and National Dancing.** Autumn. T. Th., 3:30. One hour credit. Smith.

Suggested for women majoring or minoring in Physical Education.

Fundamental rhythms, various character and national dances.

42. **Folk Dancing and Country Dances.** Winter. T. Th., 1:30. One hour credit. Jeppson, Smith.

This course will offer instruction in the various folk dances and country dances: Virginia Reel, Boston Fancy, etc.

Upper Division Courses

51. **Athletic Coaching and Directing—Football.** Autumn. Four periods each week. 2:30. Three hours credit. Romney.

This course is designed to prepare students for the coaching of football. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc.

52. **Athletic Coaching and Directing—Basketball.** Winter. Four periods each week. 2:30. Three hours credit. Romney.

This course is designed to prepare for the coaching of basketball. Students will be thoroughly instructed in fundamentals, offensive and defensive systems, schedule making, etc.

53. **Athletic Coaching and Directing—Track and Field.** Spring. Four periods a week. 2:30. Three hours credit. Romney.

This course will deal with the technique of track and field athletics and with the management of meets.

54. **Athletics Coaching and Directing—Soccer, Field Hockey, Speedball and High-Low Ball.** Autumn. M. W. F., 4:30. Two hours credit. Jeppson.

This course is designed to prepare students for coaching these activities. It will deal with methods, conducting of tournaments, and officiating.

55. **Athletic Coaching and Directing—Basketball, Volley Ball, Field Ball.** Winter. M. W. F. Two hours credit. Jeppson.

This course is designed to prepare students for coaching these activities. It will deal with methods, conducting of tournaments and officiating.

56. **Athletic Coaching and Directing—Track and Field, Baseball, Badminton.** Spring. M. W. F. Two hours credit. Jeppson.

This course is designed to prepare students for coaching these activities. It will deal with fundamentals, methods of conducting meets, games and tournaments, and officiating.

61, 62, 63. **Advanced Creative Dancing.** Autumn, Winter, Spring. T. Th., 8:30. One hour credit each quarter. Smith.

This course will offer instruction in fundamental dance technique, music visualization and principles of composition.

64. **Material Summary (Dancing).** Winter. T. Th., 5:30. One hour credit. Jeppson and Smith. Prerequisites: 41, 42, 61, 62, 81.

65. **Problems of the Dance in Physical Education.** Spring. T. Th., 5:30. Two hours credit. Smith.

Public performance, including staging, lighting, costume design, etc.; appreciation of music in the dance; dance composition, themes, etc.; methods of teaching; history, etc.

71. **Theory of Organized Play.** Autumn. M. W. F., 8:30. Three hours credit. Jeppson.

The theory of organized play, including community centers, special activities, home recreation; play facilities such as layout of athletic fields, buildings, swimming pools; equipping the grounds and centers.

72. **Organization and Administration of Play and Recreation.** Winter. M. W. F., 8:30. Three hours credit. Jeppson.

The executive and administrative problems arising out of the conducting of a community-wide recreation program. Emphasis on park recreation problems, recreational finance, publicity problems, etc.

73. **Play and Game Supervision.** Spring. M. W. F., 8:30. Three hours credit. Jeppson.

A continuation of course 72.

81, 82, 83. **Advanced Clog and Tap Dancing.** Autumn, Winter, Spring. T. Th., 10:30. One hour credit each term. Jeppson.

81 and 82 will include a study of the various phases of tap dancing, fundamental steps, routines in order of difficulty, buck, jig, waltz, soft shoe, etc.; 83 will emphasize creative work by students.

90. **Principles of Physical Education.** Winter. M. W. F.,

8:30. Three hours credit. Hart. Prerequisite: Zoology 65.

This course deals with underlying principles of physical education.

91. **General Kinesiology.** Autumn. M. W. F., 8:30. Three hours credit. Dixon. Prerequisite: Zoology 65.

The anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Athletic exercises will be studied with reference to their effect upon the body.

92. **Methods of Teaching Physical Education.** Autumn. T. Th., 8:30. Two hours credit. Hart. Prerequisites: Physical Education 90 and 91. (See Secondary Teaching 66.)

A study of various systems and methods of teaching physical education; content of the program in physical education, methods of commanding, directing, etc.

93. **Physical Education Administration.** Spring. M. W. F., 1:30. Three hours credit. Jeppson.

Organization and administration of departments of physical education and athletics in high school and college and the proper balancing of various activities associated with these departments. Prerequisites: Physical Education 72, 90, 92.

94. **Introduction to Achievement Tests in Physical Education.** Winter. M. W. F., 9:30. Three hours credit. Hart.

This course reviews the history of tests in physical education and also gives much consideration to the essential procedures used in evaluating tests and their results.

95. **First Aid in Athletic Training.** Autumn. M. W. F., 9:30. Two hours credit. Hart. Prerequisite: Zoology 65.

This course will consider the principles of first aid treatment of athletic injuries, massage, physiotherapy, bandaging and the essentials of conditioning athletes.

96. Adaptation of Activities in Corrective Procedure. Spring. M. W. F., 9:30. Three hours credit. Open to both men and women. Hart. Prerequisites: Zoology 65, Physical Education 91.

The variations of posture, the mechanics of balancing of the forces in the body, psychology of individual gymnastics, methods of stimulating interest in posture, and the selection and scope of corrective activities.

Graduate Courses

165. Problems in the Dance in Physical Education. Spring. T. Th., 5:30. Smith.

171. Theory of Organized Play. Autumn. M. W. F., 8:30. Three hours credit. Jeppson.

172. Organization and Administration of Play and Recreation. Winter. M. W. F., 8:30. Three hours credit. Jeppson.

173. Play and Game Supervision. Spring. M. W. F., 8:30. Three hours credit. Jeppson.

190. Principles of Physical Education. Winter. M. W. F., 8:30. Three hours credit. Hart. Prerequisites: Psychology 11 and Zoology 11 and 65.

193. Physical Education Administration. Autumn. M. W. F., 1:30. Three hours credit. Jeppson.

194. Introduction to Achievement Tests in Physical Education. Winter. M. W. F., 10:30. Three hours credit. Hart.

196. Adaptation of Activities in Corrective Procedure. Spring. M. W. F., 10:30. Three hours credit. Open to both men and women. Hart. Prerequisites: Psychology 11, Zoology 65, Physical Education 91.

200. Research in Physical Education. Time and credit to be arranged. Jeppson and Hart.

PHYSICS

Professors Eyring, Marshall; Associate Professor Hales; Mr. Peterson.

Students who expect to study Medicine, Engineering, Chemistry, or who are planning to major in the Department of Physics should begin their study of Physics by electing courses 41, 42 and 43 .

Non-science students may elect with profit courses 11, 16 and 26, which may be taken without prerequisite and which are organized with the view of giving the student an appreciation of his physical environment.

Students majoring in Physics have the following courses prescribed: Physics 41, 42, 43, 90, 91, 92, and some sequences such as Physics 73, 74, 75, 81, 82, 83, or 55, 66, 67, 81, 82, 83, or 55, 66, 67, 73, 74 ,75. In addition course 99 should be elected by students who plan to be high school teachers.

Lower Division Courses

11. A Survey Course in Physics. Autumn and Winter. M. T. W. Th., 10:30. Four hours credit. Eyring.

This is an orientation course designed for the non-science student who seeks information concerning the scientific interpretation of his physical environment.

16. Descriptive Astronomy. Spring. M. T. W. Th., 10:30. Four hours credit. Hales.

This course is designed for those wishing a general knowledge of the facts, theories, and methods of astronomy. Frequent use will be made of the University Observatory on University Hill.

26. Photography. Spring. Lecture, T. Th., 7:30. Laboratory time to be arranged. Three hours credit. Hales.

Lectures on the theory and art of photography; laboratory exercises in photographic manipulation, determination of the characteristics of photographic materials, color sensitivity, etc.

41. **General Physics. Mechanics and Sound.** Autumn. Lecture, M. W. F., 1:30. Laboratory, T. and Th., 1:30-3:30. Five hours credit. Hales.

Courses 41, 42 and 43 constitute a general college course in physics. This general course will satisfy the requirements in physics for engineering and medical students, and it is a prerequisite for all the specialized courses in physics.

42. **Electricity.** Winter. Lecture, M. W. F., 1:30. Laboratory, T. and Th., 1:30 to 3:30. Five hours credit. Hales.

Continuation of 41.

43. **Heat and Light.** Spring. Lecture, M. W. F., 1:30. Laboratory, 1:30 to 3:30. Five hours credit.

Continuation of 42.

Upper Division Courses

55. **Atomic Physics.** Autumn. Lecture, M. T. Th. Fri., 8:30. Laboratory W., 8:30. Five hours credit. Hales.

A study of the structure of the atom as revealed by X-rays, radio activity, spectroscopy, and related subjects.

66, 67. **Electricity and Magnetism.** Winter, Spring. Lecture, T. Th. Fri., 2:30. Laboratory M. W., 2:30. Five hours credit each quarter. Marshall.

A study of electronics, the vacuum tube, and D. C. and A. C. circuit theory and measurements.

73. **Meterology.** Autumn. Lecture M. T. Th. Fri. Laboratory W. Five hours credit. Hales. (Not given this year)

The physics of the earth's atmosphere; a study of the causes which produce variations in the pressure, temperature, and humidity of the air and their influence upon weather and climate.

74. **Sound.** Winter. Lecture, M. T. Th. Fri. Laboratory W. Five hours credit. Eyring. (Not given this year.)

Speech, hearing, sound transmission and radiation, and acoustics of auditoriums.

75. Experimental Optics. Spring. Lecture, M. W. F., 9:30. Laboratory: Time to be arranged. Five hours credit. Marshall. (Not given this year.)

During the first part of the course experiments outlined in Taylor's Manual of Optics will be performed, and during the last special work in the echelon and concave grating will be given.

81. Mechanics. Autumn. M. W. F., 10:30. Three hours credit. Marshall.

Fundamental principles of mechanics and their application to physical problems. Prerequisites: Calculus and Physics 41, 42, 43.

82. Dynamics. Winter. M. W. F., 10:30. Three hours credit. Marshall.

The application of d'Alembert's principle, generalized coordinates, the Lagrangian and canonical equations, Hamilton's principle, etc. Prerequisites: Physics 81 and Differential Equations.

83. Thermodynamics. Spring. M. W. F., 10:30. Three hours credit. Marshall.

A study of the laws of thermodynamics and their application to numerous physical and chemical phenomena.

87. Laboratory Arts. Autumn, Winter or Spring. T. Th., 3:30-6:30. Two hours credit. Marshall and Hales. (Not given this year.)

Glass blowing, frilling, grinding and polishing; hard and soft soldering; silvering glass; and other processes connected with the construction and use of apparatus in physical laboratory.

90, 91, 92. Seminar. Autumn, Winter, Spring. One hour credit each quarter. Time to be arranged. Eyring, Marshall, Hales.

A survey of physical theories and topics in modern research. A course for seniors in which the student is aided to integrate the specialized courses.

95. **Readings in Modern Physics.** Credit 1 to 3 hours, depending on the work done. Eyring, Marshall, or Hales.

A reading course designed to acquaint the student with new material which may not have been included in the regular courses.

99. **Teaching of Physics.** Autumn. M. W., 3:30. Two hours credit. Peterson.

Graduate Courses

101, 102, 103. **Introduction to Modern Physics.** Autumn, Winter, Spring. Daily, 8:30. Five hours credit each quarter. Eyring.

A study of modern physics, including such topics as quantum theory, spectroscopy, and atomic structure, etc.

105, 106, 107. **Introduction to Theoretical Physics.** Autumn, Winter, Spring. Daily, 10:30. Five hours credit each quarter. Hales.

An introductory study of the mathematical basis and development of the fundamental laws and theories of physics.

110, 111, 112. **Classical Experiments.** Each course two hours credit. Eyring, Marshall, Hales.

190, 191, 192. **Seminar.** Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Eyring, Marshall, Hales.

195. **Readings in Modern Physics.** Credit, one to three hours, depending upon amount of work done. Eyring, Marshall and Hales.

200. **Thesis in Physics.** Credit to be arranged.

POLITICAL SCIENCE

Professor Jensen.

Requirements for a Major in Political Science: Students must present a minimum of fifteen hours of upper division credit in Political Science. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. A Survey Course in Political Science. Autumn. Daily, 10:30. Five hours credit. Jensen.

A comparative study of the origin and development of government, its forms and organization, problems of administration and popular control, international relations and world politics.

10. National Government of the United States. Winter. M. W. F., 10:30. Three hours credit. Jensen.

The historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizens; a detailed study of the executive, legislative, and judicial department of the national government.

11. State and Local Government in the United States. Spring. M. W. F., 10:30. Three hours credit. Jensen.

The nature of federal government; the evolution of states from territories; place of the states in the nation; a study of the executive, legislative, and judicial branches of state government.

21. Problems of Citizenship. Winter. T. Th., 9:30. Two hours credit. Jensen. (Not given this year.)

A study of fundamental, political, social, economic, and international problems which make for intelligent citizenship

43. Commercial Law. Autumn. M. T. W. Th., 8:30. Four hours credit. Jensen. (See Finance and Banking 21.)

Fundamental legal principles and institutions; the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property.

44. **Commercial Law.** Winter. M. T. W. Th., 8:30. Four hours credit. Jensen. (See Finance and Banking 22.)

A study of law governing Negotiable Instruments; rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barters, and bailments.

45. **Commercial Law.** Spring. M. T. W. Th., 8:30. Four hours credit. Jensen. (See Finance and Banking 23.)

A study of the law governing relationships arising out of business associations; Agency, Partnerships and Corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

50. **Principles of Political Science.** Spring. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A systematic study of the principles of political science; the scope and methods of political theory; the origin, basis and nature of the state; sovereignty; the structure and province of government; citizenship and nationality.

51. **European Political Philosophy.** Spring. T. Th., 9:30. Two hours credit. Jensen. (Not given this year.)

A survey of political thought from the time of the ancients to the present with emphasis given to modern and contemporary political theory.

53. **History of American Political Thought.** Winter. T. Th., 9:30. Two hours credit. Jensen.

A study and interpretation of American political ideas from the colonial period to the present with an examination of their influence in the development of American history and government.

63. Municipal Government. Spring. M. W. F., 9:30. Three hours credit. Jensen.

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal structure, organization, and administration.

73. Comparative European Governments. Autumn. M. W. F., 9:30. Three hours credit. Jensen.

A study of the organization and operation of the governments of England, France, Italy, Germany, and Russia. Attention is also given to some of the new European governments.

77. Political Parties and Party Government. Spring. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of the organization and methods of action of political parties in the United States; the development of the party system; the party system in leading European countries.

80. International Law. Winter. M. W. F., 9:30. Three hours credit. Jensen.

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Problems growing out of the World War and the resulting modifications of international law.

82. History of American Foreign Policy. Winter. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

This course traces the history of American foreign relations from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

83. International Relations. Autumn. M. W. F., 9:30. Three hours credit. Jensen. (Not given this year.)

A study of the major contemporaneous problems and developments in the field of international relations.

85. International Organization and Government. Spring. T. Th., 9:30. Two hours credit. Jensen. (Not given this year.)

The rise and development of international government; diplomatic intercourse of states; international executive administrative, legislative and judicial functions, agencies of international intercourse and cooperation.

90. The Constitution of the United States. Spring. T. Th., 9:30. Two hours credit. Jensen.

A course dealing with the history and development of the Constitution of the United States, a study of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

Graduate Courses

150. Principles and Problems of Political Science.

151. European Political Philosophy.

153. American Political Theories.

163. Municipal Problems.

174. English Government and Politics.

175. The British Commonwealth of Nations.

177. Political Party Systems in the United States and in European Countries.

180. International Law as Administered by the Courts.

181. The Conduct of American Foreign Relations.

182. History and Problems of American Foreign Policy.

183. International Relations and World Politics.

191. Constitutional Law of the United States.

193. Public Administration.

198. Research in Political Science.

200. Research for Master's Thesis.

PSYCHOLOGY

Professor Poulson; Assistant Professor Dusenberry.

Suggestions as to Courses. Psychology 11 is the standard foundation course which is usually made a prerequisite to all other courses in university departments of psychology. The courses especially recommended to follow it are:

General Cultural Interests: Psychology 64, 65, 70, 71, 72, 79, 101, 102, 103, 104 and 105.

Home-making Interests: Psychology 70, 71, 72 and 79.

Business Interests: Psychology 64, 65, 70, 75 and 105.

Educational Interests: Psychology 65, 70, 71, 72, 74, 75. 79 and 200. For fulfilling State Board requirements, Psychology 21 is intended for prospective elementary school teachers and Psychology 74 for junior and senior high school teachers. Other courses in this department may be used as electives for state certification.

Psychology Major: Credit must include Experimental Psychology and not less than nine quarter hours selected from Psychology 70, 75, 79, 101, 102, 103, and seminar courses in Psychology. Prospective "school psychologists" should aim to meet the major requirements as nearly as possible.

Lower Division Courses

11. General Psychology. Autumn. Daily, 8:30. Winter. Daily, 9:30. Spring. Daily, 10:30. Five hours credit. Poulson.

An introductory study of mental activity covering in a general way the whole field of modern psychology. Approximately one-fifth of the course will consist of simple laboratory experiments.

21. Educational Psychology. Autumn, Winter or Spring. Section 1, M. W. F., 9:30; Section 2, M. W. F., 10:30. Three hours credit each quarter. Dusenberry.

Individual differences, native endowment, habit formation, economy, and technique of learning. The thought process, personality problems. Applications are made to problems of teaching and learning.

25. **Psychology of Effective Study.** Autumn. T., 9:30. Winter. T., 8:30. Spring. T., 9:30. One hour credit. Poulson.

A simple course in applied psychology designed especially to help freshmen who desire to improve their habits of study.

Upper Division Courses

64. **Applied Psychology.** Autumn. M. W. Th. F., 9:30. Four hours credit. Poulson. Prerequisite: Psychology 11 or 21

Survey of the applications of scientific psychology in advertising, personal selling, industry, medicine, law, music, speech, writing, art, and athletics. Each student will stress his major interests.

65. **Experimental Psychology.** Winter. Lecture, Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson. Prerequisite: The consent of the instructor.

Selected readings and laboratory work in experimental psychology to show how scientific technique is applied in the study of mental activity. Presentation of data in tabular and graphic form.

70. **Social Psychology.** Autumn. M. W. F., 10:30. Three hours credit. Poulson. Prerequisite: Psychology 11 or its equivalent.

A study of mental life as conditioned by the social environment. Nature and development of personality. Educational implications of social psychology.

71. **Mental Hygiene.** Autumn. T. Th., 11:30. Two hours credit. Poulson. Prerequisite: Psychology 11 or 21.

An introductory course in mental health and personality problems intended for the typical college student. Applications in educational and remedial social work will be indicated.

72. **Psychology of Childhood and Adolescence.** Winter. T. Th., 11:30. Two hours credit. Poulson. Prerequisite: Psychology 11 or equivalent.

Psychological description of the individual's development from birth to maturity, and theories of mental growth. Practical implications for parents, teachers and social workers.

73. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson. Prerequisite: Psychology 11, 70 or 72.

An advanced consideration of important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life.

74. Advanced Educational Psychology. Winter. M. W. Th. F., 8:30. Spring. M. W. Th. F., 9:30. Four hours credit. Poulson.

A brief consideration of certain important phases of the psychology of secondary education. The laws of economical learning, individual differences, and the psychology of school subjects. Psychology 11 is recommended as an antecedent course.

75. Psychological Tests. Spring. M. W. F., 7:30. Three hours credit. Poulson. Prerequisite: Psychology 11. (Alternates yearly with Psychology 105; not given this year.)

Development and use of psychological tests and scales. Supervised training with the Stanford revision of the Binet scale. Scientific interpretation and application of test results.

79. Abnormal Psychology. Spring. M. W. F., 8:30. Three hours credit. Poulson. Prerequisite: Psychology 11.

A consideration of the psychology of abnormal people with emphasis upon the light thrown on normal psychology and important educational applications.

Graduate Courses

101, 102. Advanced General Psychology. Autumn and Winter. M. W. F., 7:30. Three hours credit each quarter. Poulson. Prerequisites: Psychology 11 and 65 or equivalent. (Alternates yearly with Psychology 103 and 104.)

A careful reconsideration of the general field of modern scientific psychology, and a thorough examination of various difficult topics.

103. **History of Psychology.** Autumn. M. W. F., 7:30. Three hours credit. Poulson. Prerequisites: Psychology 11 and 65 or equivalent. (Alternates yearly with Psychology 101; Not given this year.)

A consideration of the historical background of present-day psychology with special emphasis upon the developments of the last hundred years.

104. **Contemporary Schools of Psychology.** Winter. M. W. F., 7:30. Three hours credit. Poulson. Prerequisites: Psychology 11 and 65 or equivalent. (Alternates yearly with Psychology 102; not given this year.)

A critical and comparative study of such contemporary systems and movements as structuralism, functionalism, behaviorism, Gestalt psychology and psychoanalysis.

105. **Special Topics in Psychology.** Spring. M. W. F., 7:30. Three hours credit. Poulson. Prerequisite: Ten hours of psychology. (Alternates yearly with Psychology 75.)

Intensive seminar consideration of certain topics of special individual or group interest. For this year the Psychology of Speech or Music is suggested.

165. **Advanced Experimental Psychology.** Winter. Lecture. Th., 2:30. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

170. **Social Psychology.** Autumn. M. W. F., 10:30. Three hours credit. Poulson.

172. **Psychology of Childhood and Adolescence.** Winter. T. Th., 11:30. Two hours credit. Poulson.

173. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson.

175. Psychological Tests. Autumn. M. W. F., 2:30. Three hours credit. Poulson. (Alternates yearly with Psychology 105; not given this year.)

179. Abnormal Psychology. Winter. M. W. F., 10:30. Three hours credit. Poulson.

181, 182, 183. Seminar in Psychology. Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Poulson.

Recent and current literature in theoretical and experimental psychology will be reviewed. Prerequisite: At least ten hours of credit in psychology.

200. Thesis in Psychology. Winter. Conference, T., 2:30. Three to five hours credit. Poulson.

Research work in the preparation of a Master's thesis. Prerequisites: Ten hours of upper division and graduate credit in psychology including Psychology 65 or 165. Also a course in statistical methods.

RELIGIOUS EDUCATION

Professors Wilson, J. C. Swenson, A. N. Merrill, Eyring, Lambert, Martin, Woodward, Snow, Poulson, Nelson, Hansen, Osmond, Miller, Madsen, Pardoe, Reynolds, Larsen; Associate Professors Sudweeks, Hales, Sperry; Assistant Professors W. H. Boyle, Dusenberry, Hart, Jeppson, Ivins, R. Swenson; Mr. Dixon.

Students who wish to specialize for work with pre-adolescent children in the various auxiliary organizations of the Church will be permitted to supplement the regular courses of the department for a major in Religious Education from the following: Elementary Education 1, 16, 20, and 60; Psychology 70 and 79. Courses especially recommended for these students are Religious Education 16, 17 and 18, Elementary Education 1 and Psychology 79.

Students wishing to specialize for work with adolescents and adults in church service may include in their Religious Education major courses selected from the following: Educational Administration 75, Philosophy of Education 88, 89, Psychology 72, 79. Secondary Education 54, and Sociology 65. Courses especially recommended for these students are Religious Education 74, 75, 76, 77, 78, 79, 81, 82, 83, 86, 92 and 93, Psychology 73, and Secondary Education 54.

Lower Division Courses

1. **Problems of Religious and Ethical Life.** Autumn. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, R. Swenson, Boyle.
   The student just entering college is aided in the solution of problems incident to his new environment. The general significance and meaning of religion and morals, their origin and their interrelation.

2. **Problems of Religious and Ethical Life.** Winter. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson, R. Swenson, Boyle.
   A treatment of the practical aspects of religion and mortality, with attention to the cultivation of

those personal virtues that are the foundation of character.

3. **Problems of Religious and Ethical Life.** Spring. T. Th., Sec. 1, 8:30; Sec. 2, 9:30; Secs. 3, 4, 11:30; Sec. 5, 2:30. Two hours credit. Wilson. R. Swenson, Boyle.

The individual's ethical relation to others as applied to his activities in cooperation with others. His responsibility in the promotion of ideals and standards. The ethics of citizenship.

4. **Literature of the Bible.** Autumn. T. Th., 11:30. Two hours credit. Reynolds.

A study of the prose forms of the Old Testament from a literary, ethical, historical, and religious point of view. Freshmen will be admitted only with the consent of the instructor.

5. **Literature of the Bible.** Winter. T. Th., 11:30. Two hours credit. Reynolds.

A study of the poetry and wisdom literature of the Old Testament including Job and Isaiah. Freshmen students will be admitted only by consent of the instructor.

6. **Literature of the Bible.** Spring. T. Th., 11:30. Two hours credit. Reynolds.

A study of the literary forms of the New Testament. Parts of all the books will be considered. Freshmen students will be admitted only by the consent of the nistructor.

10, 11, 12. **Principles of Religious Conduct.** Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. A. N. Merrill, Hales, Larsen.

The fundamental theological and ethical principles governing Christian conduct. The contribution of the church to right living. The value and significance of religious experience.

14. **Genealogy.** Autumn, Spring. T. Th., 11:30. Two hours credit. Sudweeks.

The place of genealogy in the plan of salvation, our responsibility to our dead ancestors, genealogical research, the pedigree, the family record, temple sheets, and temple ordinances.

19, 20, 21. **Doctrine and Missionary Method.** Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Ivins.

A course designed especially for prospective missionaries. A review of the history of religious propaganda, a detailed study of methods employed in preaching the doctrines of the Church.

22, 23, 24. **Hymnology and Music Directorship.** Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Madsen.

Study of the historical, doctrinal, prophetic, poetic, and esthetical content of songs and hymns of the Latter-day Saints.

25. **Christianity and Christian Religions.** Autumn. T. Th., 11:30. Two hours credit. R. Swenson.

Judaism as a forerunner and herald of Christianity. Israelitish faith and prophecy will receive attention, and the culmination of progressive, spiritual Judaism in Christianity will be stressed.

26. **Christianity and Christian Religions.** Winter. T. Th., 11:30. Two hours credit. R. Swenson.

A study of important Christian religions of the present day. The origin and history of each will be considered as a background for a careful analysis of the principles of the modern Christian churches.

27. **Christianity and Christian Religions.** Spring. T. Th., 11:30. Two hours credit. R. Swenson.

A study of present tendencies among Christian churches. Fundamentalism and Modernism as cross sections of various denominations will be analyzed. The relationship of modern science to Christianity.

Upper Division Courses

51. Manners and Customs of the Hebrews. Autumn. T. Th., 11:30. Two hours credit. Sperry.

The traditions, customs and modes of thought of the ancient Hebrews. The literature of the Bible cannot be fully understood without a knowledge of the customs of the people that produced it.

52. Hebrew Archaeology. Winter. T. Th., 11:30. Two hours credit. Sperry.

A study of the results of exploration and excavation in Bible lands with special reference to the Hebrew people.

53. Modern Religious Problems. Spring. T. Th., 11:30. Two hours credit. Sperry.

This course will deal with special problems such as the criticism of the Pentateuch, the criticism of the Book of Isaiah, and other problems of religious interest.

54, 55. Life and Teachings of Christ. Autumn. T. Th., 11:30. Two hours credit each quarter. J. C. Swenson.

A study of life and teachings of Jesus as revealed in the New Testament.

56. Life and Teachings of Paul and Other Apostles. Spring. T. Th., 11:30. Two hours credit. J. C. Swenson.

The course, in addition to a study of the journeys and missions of Paul, will include a study of some of the Epistles.

57. Philosophy and Life. Autumn. T. Th., 11:30. Two hours credit. Osmond.

A discussion of the fundamental principles of philosophy, science, and religion and their interrelations.

58. Philosophy and Life. Winter. T. Th. Two hours credit. Osmond.

A comparative study of natural and revealed religion. The seven fundamental natures of man, the negative and positive conditions of happiness, pleasure, joy, and tragedy of life.

59. **Philosophy and Life.** Spring. T. Th., 11:30. Two hours credit. Osmond.

This course is devoted to a study of the elements and agencies of redemption, the spiritual life, good and evil, the truth, the fine art of living, and the philosophy of conflict.

60, 61, 62. **Literature of the New Testament.** Autumn, Winter, Spring. 8:30. Two hours credit each quarter. R. Swenson.

An analysis of the New Testament books in relation to the situations in the early Christian Church which brought them forth; their relationship to the literary, social, and religious aspects of the Hellenistic and Jewish culture.

63, 64, 65. **History of the Christian Church.** Autumn, Winter, Spring. T. Th., 9:30. Two hours credit each quarter. R. Swenson.

A brief study of the oriental and classic culture and philosophy out of which emerged the Christian Church under the Teachings of Christ, Paul, the Church Fathers and the Clergy both lay and clerical.

66, 67, 68. **Old Testament History.** Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Martin.

Historical survey of Israel and a study of their social, ethical and religious ideas and ideals. An attempt will be made to show how the problems of Bible times are similar to those of today.

69. **History of Religion in the United States.** Autumn or Winter. T. Th., 9:30. Two hours credit. Christen Jensen.

71. **Mental Hygiene.** Autumn. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 71.)

72. **Psychology of Childhood and Adolescence.** Winter.

T. Th., 11:30. Two hours credit. Poulson. (See Psychology 72.)

73. **Psychology of Religion.** Spring. T. Th., 11:30. Two hours credit. Poulson. (See Psychology 73.)

74. **Leadership in Recreation.** Autumn. T. Th., 11:30. Two hours credit. Jeppson.

This course is given to meet the needs of the community, church and school recreational leaders. Open to Seniors only except by permission.

75. **Leadership in Recreation.** Winter. T. Th., 11:30. Two hours credit. Jeppson.

The organizing and administrating of special balanced programs in the various phases of recreation, including theme parties and home recreation. Open to Seniors only except by permission.

76. **Leadership in Recreation.** Spring. T. Th., 11:30. Two hours credit. Jeppson.

Discussion of and practice in the phases of a recreational field will be studied and workable plans compiled. Students will have opportunity for group leadership within the class. Open to Seniors only except by permission.

77. **Scout Leadership.** Autumn. T. Th., 11:30. Two hours credit.

A course designed especially for scoutmasters and prospective scout leaders.

78. **Scout Leadership.** Winter. T. Th., 11:30. Two hours credit.

Organization of a Scout troop and its relationship to the Local Council and the National Council; troop management and the patrol system; the psychology of the Boy Scout; scout stories and games.

79. **Scout Leadership.** Spring. T. Th., 11:30. Two hours credit.

Signs, symbols, and signaling; pathfinding and mapmaking; trees, flowers, birds, common wild animals, and stars are the subjects to be studied in the class room and while on short hikes.

81. **Philosophic Ethics.** Autumn. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 86.)

82. **Ethics as Applied to Individual Development.** Winter. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 87.)

83. **The Message of the World's Great Teachers.** Spring. T. Th., 11:30. Two hours credit. Woodward. (See Philosophy of Education 88.)

84. **Religion and Life.** Autumn. T. Th., 11:30. Two hours credit. Lambert.

Basic concepts set forth in the Doctrine and Covenants together with a consideration of how these concepts may assist in building a happy life. The course is conducted on a seminar basis.

85. **Religion and Life.** Winter. T. Th., 11:30. Two hours credit. Lambert.

Historical and social backgrounds into which various sections of the Doctrine and Covenants came. The needs which the various revelations met as they were given. The course is conducted on a seminar basis.

87, 88, 89. **Rationality of Religion.** Autumn, Winter and Spring. T. Th., 11:30. Two hours credit each quarter. Wilson.

Religion as life in its relationship to philosophy; the concept of truth, how arrived at; the concept of God, His relations to man, and His plan for man's redemption. Jesus Christ and His relation to the plan.

90. **Personality Problems in Child Development.** Autumn. T. Th., 11:30. Two hours credit. Dusenberry.

The emotional, social and moral phases of child development. The hereditary and environmental influences affecting the character and religious development of the child.

91. Personality Problems in Child Development. Winter, T. Th., 11:30. Two hours credit. Dusenberry.

The diagnosis of behavior difficulties and the remedial technique employed in handling various types of problems. Emphasis on character and religion.

92. Personality Problems in Child Development. Spring. T. Th., 11:30. Two hours credit. Dusenberry.

Contributions of mental hygiene to character and religious education. (See Elementary Education 90, 91, 92.)

94. Man and His Relationship to the Universe. Autumn. T. Th., 11:30. Two hours credit. Hansen.

Anthropology. A series of lectures covering the speculations as to the origin of man in the Old and New World, and prehistoric man's contribution to the historic world of religion.

95. Man and His Relationship to the Universe. Winter. T. Th., 11:30. Two hours credit. Snow.

A general perspective of the important religions of the world. Among those considered are: Religions of the people of Babylonia and Assyria, Egypt, China, Japan, Greece, Rome, and of the Celts and Teutons; Judaism, Mohammedanism, Zoroastrianism.

96. Man and His Relationship to the Universe. Spring. T. Th., 11:30. Two hours credit. Eyring.

History of science and its relation to religion and to philosophy. A study will be made of the religious and philosophic overbeliefs which have emerged from science as it has been in the making.

Graduate Courses

105. Research in Religious Education. Autumn, Winter, or Spring. Two hours credit. Lambert.

A course in technique of research as applied to problems in religious education and which will provide an opportunity for students to apply acceptable methods of investigation to problems in this field.

121, 122, 123. Seminar. Autumn, Winter, Spring. W., 4:30. One hour credit. Wilson.

151. Manners and Customs of the Hebrews. Autumn. T. Th., 11:30. Two hours credit. Sperry.

152. Hebrew Archaeology. Winter. T. Th., 11:30. Two hours credit. Sperry.

153. Old Testament Problems. Spring. T. Th., 11:30. Two hours credit. Sperry.

172. Psychology of Childhood and Adolescence. Winter. T. Th., 11:30. Two hours credit. Poulson.

173. Psychology of Religion. Spring. T. Th., 11:30. Two hours credit. Poulson.

181. Philosophic Ethics. Autumn. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 81.

182. Ethics as Applied to Individual Development. Winter. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 82.

183. The Message of the World's Great Teachers. Spring. T. Th., 11:30. Two hours credit. Woodward.

This course parallels Religious Education 83.

184. Religion and Life. Autumn. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 84 and permits graduate students to do intensive work in the field.

185. Religion and Life. Winter. T. Th., 11:30. Two hours credit. Lambert.

This course parallels Religious Education 85 and permits graduate students to do intensive work in the field.

186. Administration of Private and Parochial Schools and Seminaries. Spring. T. Th., 11:30. Two hours credit.

This course parallels Religious Education 86 and permits graduate students to do intensive work in this field. Students majoring in Educational Administration may obtain credit for this course.

187, 188, 189. Rationality of Religion. Autumn, Winter, Spring. T. Th., 11:30. Two hours credit each quarter. Wilson.

These courses are extensions of courses 87, 88, and 89.

193. Methods in Religious Education. Autumn or Spring. T. Th. Two hours credit. A. N. Merrill.

This course is designed for those who are expecting to qualify for efficient service in directing teacher training, in supervising instruction, and teaching adolescent and adult students.

195. Anthropology. Winter. T. Th., 11:30. Two hours credit. Hansen. (See Sociology 95.)

A continuation of course 94 with special reference to the American Indians.

196. Anthropology Research. Spring. Time and credit to be arranged. Hansen. (See Sociology 96.)

SOCIOLOGY

Professors Swenson, Woodward, Nelson, Hansen;
Assistant Professor Boyle.

Courses 11 and 12 are prerequisite to all other courses in Sociology. Upper division students register for these courses as 55 and 56 fro upper division credit.

Lower Division Courses

11 or 55. Introduction to the Study of Sociology. Autumn and Winter. Daily, 2:30. Five hours credit each quarter. Swenson.

This course is designed to give the ground work for social study. It presents a general view of social organizations, social forces and a practical working theory of the nature of society.

12 or 56. Social Problems. Spring. M. W. F., 2:30. Three hours credit. Swenson.

This course deals with concrete social problems such as crime, poverty, racial conflicts, etc. Discussions, papers, and assigned readings.

Upper Division Courses

51. Community Organization and Leadership. Spring. M. W. F., 9:30. Three hours credit. Swenson.

Problems of community life and action, and the methods of promoting them through organization and leadership.

52. History and Development of the Mormon Community. Autumn. M. W. F., 10:30. Three hours credit. Nelson.

The evolution of the "village" form of community organization among the Mormons. The social, political, economic, and intellectual characteristics of the early nineteenth century are studied as background material.

53. Rural Sociology. Winter. M. W. F., 10:30. Three hours credit. Nelson.

A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time.

61. **Educational Sociology.** Autumn. M. W. F., 9:30. Three hours credit. Swenson.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. **Social Pathology.** Spring. 9:30. Two hours credit. Swenson.

A study of local organizations for social, civic, and philanthropic work.

66. **Urban Sociology.** Winter. 9:30. Two hours credit. Swenson.

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

70. **Social Control.** Spring. M. W. F., 8:30. Three hours credit. Swenson. (Not given this year.)

A study of the means of the control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideals, etc., will be studied in detail.

71. **Juvenile Sociology.** Autumn. T. Th., 9:30. Two hours credit. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group.

75. **The Family.** Spring. M. W. F., 8:30. Three hours credit. Swenson.

A study of the history and development of the family and its place as an institution in the development of our civilization. The course also considers the modern family and its problems.

77. **Social Case Work.** Autumn and Winter. F., 1:30 to

3:30. Two hours credit. Nelson and members of the General Board of the Relief Society.

Principles and practices of case work with the maladjusted and the dependent. This course is given in cooperation with the General Board of Relief Society.

81. **The History of Social Theory.** Spring. M. W. F., 9:30. Three hours credit. Swenson. (Not given this year)

The course deals with evolution of social theories beginning with Plato and considering the developments through the early Christian Era and also the Medieval and modern social theorists.

85. **Education and Twentieth Century Civilization.** Autumn. M. W. F., 9:30. Three hours credit. Woodward. (See Philosophy of Education 90.)

89. **Social Ethics.** Spring. M. T. W. Th., 10:30. Four hours credit. Woodward (See Philosophy of Education 89.)

90. **Labor Problems.** See Economics 61.

94. **Anthropology.** Autumn. T. Th., 11:30. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archaeological evidence.

95. **American Anthropology.** Winter. T. Th., 11:30. Two hours credit. Hansen. (Not given this year.)

A study of the American Indian and his place among the races of mankind as interpreted from paleontological data.

96. **Cultural Anthropology.** Spring. T. Th. Two hours credit. Nelson. (Not given this year.)

An analysis of the social institutions of primitive people and how those institutions have developed. The meaning and content of culture.

97, 98, 99. Recent Social Trends. Autumn, Winter, Spring. W., 4:30. Two hours credit each quarter. Nelson.

Graduate Courses

101, 102, 103. Research. Time and credit to be arranged. Swenson and Nelson.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

104. Research Methods in Social Science. Spring. M. W. F., 2:30. Three hours credit. Nelson.

The nature of social science; types of approach to and methods of study of social phenomena. Students should have some knowledge of statistical method, or secure consent of the instructor.

151. Community Organization. Spring. M. W. F., 9:30. Three hours credit. Swenson. (See Sociology 51.)

152. History and Development of the Mormon Community. Autumn. T. Th., 11:30. Two hours credit. Nelson.

161. Educational Sociology. Autumn. 9:30. Three hours credit. Swenson.

171. Juvenile Sociology. Autumn. Two hours credit. Boyle.

175. The Family. Spring. Three hours credit. Swenson.

185. Social Organization. Winter. Three hours credit.

189. Social Ethics. Spring. M. T. W. Th., 10:30. Four hours credit. Woodward.

190. Labor Problems. Winter. Three hours credit.

191. Labor Legislation. Spring. Three hours credit.

194. Anthropology. Autumn. Two hours credit. Hansen.

195. Cultural Anthropology. Spring. Two hours credit. Nelson. (Not given this year.)

196. Research. Time and credit to be arranged.

197, 198, 199. Recent Social Trends. Autumn, Winter, Spring. M,. 4:30. Two hours credit each quarter. Nelson.

A cross-section of contemporary American civilization. Special attention will be given the reports of the Hoover Commission on Social Trends.

200. Thesis.

SPEECH

Professors Pardoe, De Jong, Poulson, Osmond; Mrs. Stewart.

Students majoring in this department are required to furnish two years in a foreign language. They may elect one of the two divisions, Public Speaking or Dramatic Arts. Requirements for Public Speaking are Speech 1, 2, 3, 11, 42, 51, 52, 53, 77 or 78, 84p, and 91. Requirements for Dramatic Arts are 1, 11, 12, 22, 42, 43, 62, 72, 73, 81p. 87p and 91.

It is advisable to register for Physics 11, Psychology 11 and 70, and Art 21.

Lower Division Courses

1. **Principles of Speech.** Autumn. M. W. F., Sec. 1, 1:30; Sec. 2, 9:30. Three hours credit. Pardoe.
The elements of speech, proper carriage, and simple outline of speeches constitute the major portion of this course.

2. **Open Forum Discussion.** Winter. M. W. F., Sec. 1, 1:30; Sec. 2, 9:30. Three hours credit. Pardoe.
Encouragement and practice in extemporaneous speech and application of speech principles. Vocabulary building.

3. ***Speech Analysis.** Spring. M. W. F. Sec. 1, 1:30; Sec. 2, 9:30. Three hours credit. Pardoe.
The study of masterpieces and models of speech composition. Practice in delivery and analysis. Individual needs especially motivated.

11. **Elementary Elocution.** Autumn. T. W. Th. F., Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 2:30. Four hours credit. Pardoe, Stewart.
Fundamental principles of speech arts.

12. **Classical Literature.** Winter. T. W. Th. F., Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 2:30. Four hours credit. Pardoe, Stewart.

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*Classes in speech are divided for best individual attention as registration warrants.

Application of the elements of reading to great scenes of classical literature. Voice and body technique scientifically treated.

13. **Dramatic Monologue.** Spring. M. W. F., Sec. 1, 8:30; Sec. 2, 10:30; Sec. 3, 2:30. Four hours credit. Pardoe, Stewart.

Special attention is given to the dramatic monologue and soliloquy.

21. **Interpretative Literature.** Autumn. M. W. F., 9:30. Three hours credit. Stewart. Courses 11, 12, and 13 are prerequisites.

Character delineation forms a great portion of the work.

22. **Dialogue and Scene Presentation.** Winter. M. W. F., 9:30. Three hours credit. Stewart. Courses 11, 12, 13, prerequisites.

The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form a basis of the course. Character analysis and presentation.

42. **Practical Phonetics.** Autumn. T. Th., 1:30. Two hours credit. De Jong.

A course prescribed for all majoring in speech. Given to aid students to acquire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages, Phonetics 42.)

43. **Representative Dialect.** Spring. M. W. F., 9:30. Three hours credit. Pardoe. Speech 42 is a prerequisite.

A study of dialect as an element in interpretation.

44. **Representative Dialect.** Spring. M. W. F., 9:30. Three hours credit. Pardoe.

Scotch, Italian and Yiddish alternate each year with Cockney, Negro and class choice. Scotch on even years.

Upper Division Courses

51. Advanced Speech Composition. Autumn. M. W. F., 8:30. Three hours credit. Pardoe.

An intensive study of the organization of advanced forms of public speaking and practical experience in their delivery.

52. Argument and Debate. Winter. M. W. F., 8:30. Three hours credit. Pardoe. Prerequisite: English 1, 2, 3, or Speech 1 and 2.

A study of the principles of argument followed by a series of debates on current questions. (See English 52.)

53. Lecture and Oration. Spring. M. W. F., 8:30. Three hours credit. Pardoe.

A course designed for students preparing for the mission field, or who desire efficiency in the expression of their major subjects.

54. The Dramatic Interpretation of Shakespeare. Autumn. T. Th., 2:30. Two hours credit. Osmond.

Selected drills and exercises from a number of the greatest plays.

55. The Dramatic Interpretation of Shakespeare. Winter. T. Th., 2:30. Two hours credit. Osmond.

Selected drills and exercises from a number of the great plays.

56. The Dramatic Interpretation of Shakespeare. Spring. T. Th., 3:30. Two hours credit. Osmond.

The dramtic interpretation of whole scenes from some of the great plays.

61. Speech Projects. Autumn. T. Th., 3:30. Two hours credit. Pardoe.

A speech seminar for the study of individual problems.

62. Impersonation. Winter. Daily, 3:30. Five hours credit. Pardoe.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses 1, 2, 11, 12, 13, and 22 are eligible.

71. **Stage Craft.** Autumn. M. W. F., 2:30. Two hours credit. Two classes and one laboratory period a week. It is suggested that students take Art 21 as a preparation for this course. (Not given this year.)

72. **Play Production.** Autumn. M. W. F., 2:30. Three hours credit. Three classes and one laboratory period per week. Advanced students only. Pardoe. Courses 11, 12, 13, 22, prerequisites.

73. **Acting.** Winter. M. W. F., 2:30. Two hours credit. Two classes and one laboratory period per week. Advanced students only. Pardoe.

77. **History of Dramatic Production.** Autumn. T. Th., 1:30. Two hours credit. Pardoe.

The Egyptian, Grecian and Roman Theatre. A study of the means employed in the theatrical presentations during these periods.

78. **History of Dramatic Production (Medieval.)** Winter. T. Th., 1:30. Two hours credit. Pardoe.

79. **History of Dramatic Production (Elizabethan.)** Spring. T. Th., 1:30. Two hours credit. Pardoe.

81-p. **Dramatic Technique.** One hour credit per quarter for each recitation per week. Pardoe, Stewart.

An intensive individual course in advanced interpretation. Time and fee to be arranged with instructor.

84-p. **Public Speaking.** One hour credit per quarter for each recitation per week. Pardoe.

An intensive individual course designed for those who desire to concentrate on organization and delivery of the more advanced forms of public speech. Time and fee to be arranged with instructor.

87-p. Voice and Speech Improvement. One hour credit per quarter for each recitation per week. Pardoe, Stewart.

An intensive individual course designed to help the student acquire good speech habits with particular attention to development of a pleasing, well-modulated speaking voice. Time and fee to be arranged.

91. Methods of Teaching Speech. Spring. T. Th., 8:30. Two hours credit. Pardoe.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching. (See Secondary Education 68.)

Graduate Courses

105. Psychology of Speech. Spring. M. W. F., 7:30. Three hours credit. Poulson. (See Psychology 105.)

131. Technique of Play Writing. Winter, Spring. Three hours credit. Pardoe.

132. Technique of Play Writing. Time to be arranged. Three hours credit. Pardoe.

The writing and producing of original plays, with emphasis upon western themes.

143 or 144. Dialect Research. Spring. M. W. F. Laboratory, two hours per week. Three hours credit. Pardoe. Speech 42 prerequisite.

153. Lecture and Oration. Spring. M. W. F., 8:30. Three hours credit. Pardoe.

171. Stage Craft. Autumn. M. W. F., 2:30. Two hours credit. (Not given this year.)

172. Play Production. Autumn. M. W. F., 2:30. Two hours credit. Pardoe.

173. Acting. Winter. M. W. F., 2:30. Two hours credit. Pardoe.

177. History of the Drama (Ancient). Autumn. T. Th. Pardoe.

178. **History of Dramatic Production (the Oriental Medieval Theatre).** Winter. T. Th., 1:30. Two hours credit. Pardoe.

179. **History of Dramatic Production.** Includes the Elizabethan period. Spring. T. Th., 1:30. Two hours credit.

191. **Methods of Teaching Speech.** Spring. T. Th. Two hours credit. Pardoe.

194. **Speech Correction.** T. Th. Time to be arranged. Pardoe. Speech 103 a prerequisite.

200. **Thesis.** Three to five hours credit. Time to be arranged. Pardoe.

Individual research upon a problem of importance to speech. Ability to conduct experiments necessary. Subject must be submitted for work during three quarters.

ZOOLOGY AND ENTOMOLOGY

Professor Tanner; Doctors Cullimore, Oaks, Merrill; Mr. Hayward. Miss Snow.

Students majoring in this department must complete courses 11, 18, 30, 55, 56, 71, 72, 75, 80, 82 and 94. Substitution of other courses is permitted in special cases. Students are also advised to complete two years of German and French if they contemplate doing advanced work in Zoology or Entomology.

Students who expect to study Medicine may take Zoology for their major subject and complete the courses advised or they may take the following courses: 11, 18, 55, 56, 71 and 72.

Students who desire to teach Biology in the high school should complete the following courses: 11, 30, 55, 56, 58, 65, 69, and 71; Botany 3, 12, and 21.

Facilities for the Study of Zoology and Entomology

The natural history collections consist of a very complete collection of Utah fish, amphibians, reptiles, birds, and mammals. This collection is also supplemented by the Chester Van Buren collection of birds from Magdalena River of Colombia, South America, which consists of over a thousand skins; and the David Starr Jordan collection of fish from the Hawaiian Islands. The entomological collection contains authoritatively named specimens in all the orders of insects. The pinned insects are placed in four hundred trays, 18x19 inches in size, two inches deep. The specimens are pinned in unit boxes. The Lepidoptera collection is a very complete one of Utah and the Great Basin region. It contains over six hundred named species and ten thousand specimens. It is made up of the famous Tom Spalding collection and the Chester Van Buren collection. The Coleoptera collection contains over six thousand determined species and forty thousand specimens. It contains a very complete collection of weevils, the Chas. W. Leng collection of 1100 species, and 300 species from the Blatchley collection.

A well equipped laboratory is maintained at the mouth of Provo River on the east shore of Utah Lake. This provides ample facilities for careful study of this interesting fresh water lake.

ZOOLOGY

Lower Division Courses

11. **General Zoology.** Autumn, Winter, and Spring. T. Th., 10:30. Laboratory. T. Sec. I, 1:30-3:30; Sec. II, 3:30-5:30. Th., Sec. III, 1:30-3:30; Sec. IV, 3:30-5:30; Quiz Section every other Monday, 4:30-5:30. Tanner and Hayward.

Fundamentals of structure, physiology, development, heredity, adaptations, classifications, and bearing of Biology on human life.

18. **Evolution and Genetics.** Winter and Spring. M. W. F., 10:30. Three hours credit. Prerequisite: Zoology or Botany Laboratory course. Tanner and Hayward.

A course dealing in a general way with the theories and evidences of organic evolution. The laws and physical basis of heredity are studied in the light of their relationship to evolution.

23. **Animal Ecology.** Spring. M. W. F., 9:30. Three hours credit. Tanner.

The environment, natural habitats, adaptions, relationships of organisms, and distribution of species and communities will be considered.

Upper Division Courses

55. **Invertebrate Zoology.** Winter. T. Th., 8:30. Laboratory M. W., 1:30-4:30. Four hours credit. Tanner, Hayward.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationship of the invertebrate groups.

56. **Vertebrate Zoology.** Spring. T. Th., 8:30. Laboratory, M. W. F., 1:30-4:30. Five hours credit. Tanner, Hayward.

A detailed study of the comparative anatomy of the vertebrates.

57. **Ornithology.** Spring. T. Th., 7:30. Laboratory, Th., 1:30-3:30. Three hours credit. Hayward. Prerequisites: Zoology 11 and 56.

A course in the evolution, structure, classification, and distribution of birds, with special reference to the Utah species.

58. **Health Education for Teachers.** Autumn, Winter, Spring. T. Th., 1:30. Two hours credit. Cullimore, Oaks, Merrill.

Designed especially for those who are preparing to teach in the public schools.

59. **Ichthyology.** Winter. M. W. F., 8:30. Three hours credit. Tanner.

An introductory course dealing with the problems relating to the life history of fishes, classification of species found in this region.

60. **General Physiology.** Winter. M. W. F., 10:30. Three hours credit. Nicholes, Barlow, Cullimore, Oaks, and Tanner. Prerequisites: Chemistry 70-71 or equivalent and Zoology 11.

Material covered in this course includes chemistry of protoplasm, digestion, metabolism, absorption, excretion, circulation, body temperature and endocrine glands.

65. **Human Physiology.** Autumn. M. W. F., 7:30; Laboratory M., Sec. I, 1:30-3:30; Sec. II, 3:30-5:30. Four hours credit. Hayward and Cullimore. Prerequisite: Zoology 11.

This course is designed to give the student a working knowledge of the life processes as they function in man.

69. **Methods of Teaching Biology.** Autumn and Winter. Two hours credit. Tanner, Martin, Hayward, and Snow.

A course in the methods of organizing and presenting the subject matter in the high school biology course.

71. Histology. Autumn. M., 9:30; Laboratory, W. F., 1:30-4:30. Three hours credit. Tanner and Hayward.

Microscopic structure of the tissues and organs of animals. Practical training in fixing tissues, embedding, sectioning, staining, and mounting of permanent specimens. (Not given this year.)

72. General Embryology. Autumn. T. Th., 9:30. Laboratory, W. F., 1:30-4:30. Three hours credit. Tanner.

The origin and development of the organs and organ-systems of vertebrate animals, especially the chick, are studied.

73. Aquatic Zoology. Autumn. M. W. F., 9:30. Three hours credit. Tanner.

A general course in the study of fresh water animals of Utah Lake.

75. History of Biology. Winter. T. Th., 10:30. Two hours credit. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

79. Eugenics. Spring. M. W. F., 10:30. Tanner. Prerequisite: Some laboratory course in Zoology or Botany.

The laws of natural inheritance, population problems, environment, reform, marriage and divorce, and state aid for education.

80, 81. Seminar. Autumn, Winter. One hour credit each quarter. Time to be arranged. Tanner, Hayward.

Required of all majors in this department during their junior and senior years.

85. Fresh Water Zoology Problems. Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the plankton, mollusks, insects, fish, etc., of the lake. Problems will be assigned to individual students.

93. Field Zoology. Time and credit to be arranged. Tanner.

Students may make extensive collections of the animal life of this state or adjoining states and then make a report on the same. This course aims to give training in systematic Zoology and museum work.

Graduate Courses

113, 114, 115. **Research Work in Systematic and Economic Ornithology.** Time and credit to be arranged.

117, 118, 119. **Zoological Research.** Time and credit to be arranged.

This course is open to all students prepared to do graduate work in any branch of zoological science.

160. **General Physiology.** Three hours credit. (See Zoology 60.)

200. **Research.** Thesis. Credit by arrangement.

This course is required of all students seeking a master's degree in this department.

ENTOMOLOGY

Lower Division Courses

30. **Elementary Entomology.** Autumn. M. W. F., 9:30. Three hours credit. Hayward.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of this course.

31. **Morphology of Insects.** Winter. M. W. F., 9:30; Th., 1:30-4:30. Four hours credit. Hayward.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of insects A few typical insects will be thoroughly studied.

32. **Insect Classification.** Spring. M. W. F., 9:30; Th., 1:30-4:30. Four hours credit. Hayward.

Students will collect and study systematically the insect fauna of the Provo region. Prerequisite: Course 31.

34. **Economic Entomology—Field, Orchard and Garden Insects.** Autumn, M. W. F., 10:30. Three hours credit. Tanner.

A study of the principal injurious and beneficial insects of the field, orchard and garden. Will include field, laboratory, and bibliographic work. Prerequisite course 30.

Upper Division Courses

61. **Advanced Study of the Hymenoptera.** Autumn, Winter, Spring. Three hours credit. Time to be arranged. Hayward.

A morphological and systematical study of the groups of western Hymenoptera in which the student may be interested.

62. **Advanced Study of the Coleoptera.** Autumn, Winter, Spring. Three hours credit. Time to be arranged. Tanner.

Students may study the weevils or other Coleoptera from the systematic, morphological, or economic standpoint.

63. **Arthropods of the Intermountain States.** Spring. M. W. F., 10:30. Three hours credit. Tanner.

A general course dealing with the morphology, physiology, and classification of the Arthropods of this region. An important course for all majors in Zoology.

64. **Advanced Entomology.** Winter and Spring. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

94. **Principles of Nomenclature.** Winter. M., 4:30. One hour credit. Tanner.

A lecture course dealing with the principles of nomenclature and intended to meet the needs of students from any of the biological departments.

96. Special Problems in Entomology. Winter and Spring. Two hours credit. Time to be arranged. Tanner.

Students will be encouraged to study the internal morphology of various groups of insects.

Graduate Courses

102, 103, 104. Special Problems in Systematic Entomology. Time and credit to be arranged.

Studies in the structure and classification of certain groups of insects as Coleoptera, Diptera, Hymenoptera, etc.

105, 106. Research Work in Insect Morphology. Time and credit to be arranged.

Special emphasis will be placed upon the morphology of the beetles. However, students may choose any group for detailed study.

107, 108, 109. Special Problems in Economic Entomology. Time and credit to be arranged.

The student is here given an opportunity to make a more or less detailed study of some insect or group of insects of economic importance. Students are encouraged to do considerable life history work.

110, 111, 112. History of Entomology. A one hour lecture or seminar course required of all graduate students. Time and credit to be arranged.

Extension Division

FACULTY

FRANKLIN STEWART HARRIS, **President**
LOWRY NELSON, **Director**
ALFRED OSMOND, **English**
CHRISTEN JENSEN, **History and Political Science**
ELBERT H. EASTMOND, **Art**
AMOS N. MERRILL, **Secondary Education**
EDWARD H. HOLT, **Office Practice**
BENJAMIN F. CUMMINGS, **Languages**
THOMAS L. MARTIN, **Agronomy**
HUGH M. WOODWARD, **Philosophy of Education**
WILLIAM J. SNOW, **History**
T. EARL PARDOE, **Speech**
M. WILFORD POULSON, **Psychology**
VASCO M. TANNER, **Zoology and Entomology**
GERRIT DE JONG, JR., **Languages**
HERALD R. CLARK, **Finance and Banking**
GEORGE H. HANSEN, **Geology and Geography**
ELMER MILLER, **Economics**
MILTON MARSHALL, **Physics**
GUY C. WILSON, **Religious Education**
HARRISON R. MERRILL, **English**
JOSEPH SUDWEEKS, **Religious Education**
C. S. BOYLE, **Accounting and Business Administration**
EFFIE WARNICK, **Home Economics**
WAYNE B. HALES, **Physics and Mathematics**
IDA SMOOT DUSENBERRY, **Psychology**
WILLIAM H. SNELL, **Mechanic Arts**
ASAEL C. LAMBERT, **Educational Administration**
EDGAR M. JENSON, **Educational Administration, Art**
H. GRANT IVINS, **Animal Husbandry**
KARL E. YOUNG, **English**
A. REX JOHNSON, **Accounting and Business Administration**
JOHN E. HAYES, **Registrar**
KIEFER B. SAULS, **Secretary to the President, Purchasing Agent**

ELSIE C. CARROLL, **English**
C. LAVOIR JENSEN, **Mathematics**
W. ELMO COFFMAN, **Science**
C. LYNN HAYWARD, **Zoology**
BERTRAND F. HARRISON, **Botany**
IRENE S. BARLOW, **Home Economics**
CARLTON CULMSEE, **Extension Secretary**
F. WILCKEN FOX, **Bureau of Visual Instruction Secretary**
MRS. CHRISTEN JENSEN, **English**
MRS. NELLIE THORNTON, **English**
J. F. WAKEFIELD, **Apiculture**
A. A. ANDERSON, **Scouting**

Never before in the world's history were so many people attending college. But great as has been the increase in enrollment of resident students, it does not compare with the remarkable growth of what has come to be termed "Adult Education."

Doubtless, the growth of adult education is partly due to the necessity of people learning new things. The development of science and invention has been so rapid in recent years as literally to flood the earth with strange new devices. Old occupations have been destroyed and new ones created. There has come an amazing demand from the general population for instruction suited to its needs.

The Extension Division brings the University departments of instruction to your door. If you would study history, literature, mathematics, or practically any other subject in the University, you can now study it under expert guidance through the Home Study Bureau.

Directed Home Study

Hundreds of students are enrolled annually in courses, the instruction in which is carried on by the correspondence method. This method has the advantage of placing the student in direct touch with the instructor and allowing him to study at home at hours suited to his convenience.

Extension Division Aims

To render service to those who are unable to take advantage of the benefits of attending an educational institution, is the chief aim of the Extension Division of the Brigham Young University. To this end, correspondence courses and extension classes are offered to the public at a reasonable rate. Indeed, instruction by extension methods is more reasonable in Utah, than in the vast majority of states of the Union. Courses may be taken for credit or not.

Method of Instruction

After filing the application for enrollment and paying the fee, the student is sent the assignments of the course. He is given full instruction as to the required reading and preparation of his lesson, including questions to test his knowledge of the ground covered.

After preparing for recitation, the student does the required written work and mails it to the Extension office. This paper is criticized by the instructor, graded and returned to the student.

Each correspondence course carries credit equivalent to the corresponding courses in residence and therefore covers a definite amount of work. Most of the courses contemplate the students' preparing about five assignments for each quarter hour of credit received.

Regulations

1. No degree is offered for work done wholly in absence.

2. A student may begin at any time a course for which he is prepared, and must complete it within a year from the time he registers. He must distribute his reports with approximate evenness throughout the period of study. Each assignment is aimed to cover about a week's study in that particular subject provided the student spends about an hour a day. If he desires to send in more than two assignments a week, he

should obtain permission from the instructor. Reports may be rejected if the student attempts to compress his work unduly.

3. A student may not take correspondence work while in residence without the consent of the Dean concerned.

4. A student who does not report either by letter or lesson within a period of ninety days may thereby forfeit his right to further instruction in the course.

5. Unless otherwise stated examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the University.

Entrance Requirements

Registration for extension courses demands the same entrance requirements as do courses in residence. That is, matriculation for college courses presupposes sixteen units of high school work. However, exception may be made in favor of mature students, or those who have practically completed their high school work.

Fees

The charge for correspondence courses is at the rate of $2.50 a credit hour, except as indicated in some courses, with a minimum fee of $5.00.

Fees will not be refunded because of inability of the student to continue a course for which he has registered. Permission to change to some other course may be given, however.

Extension Classes

The faculty of the school goes out into the communities and organizes regular classes which receive very much the same instruction as do resident students in corresponding courses. These classes are designed to meet the needs of persons who are not resident students of an educational institution. The usual procedure where such a class is desired is for the group to send to the Extension Division for an instructor.

Visual Instruction

Schools and seminaries throughout the intermountain region have access to the Bureau of Visual Instruction library of 16-millimeter motion pictures and 35-millimeter filmstrips. Illustrative material for practically every course in the usual curriculum is available. During the 1933-34 school year approximately 13,000 students, ranging from kindergarten to junior college grade, regularly viewed educational pictures from the Bureau and many hundreds of others attended occasional showings. It is commonly found that the proper use of visual aids to instruction leads to a measurable increase in learning.

Lectures and Entertainments

Members of the faculty have addressed or entertained in the neighborhood of two hundred thousand people in Utah and surrounding states during each of the past few years. These lectures and entertainments have for the most part been free except for transportation charges. The Extension Division, however, offers a regular lyceum course consisting of high class lectures and entertainments, for which a nominal charge is made.

Social Service

In this department there is included miscellaneous service consisting of recreation, club programs, pageants, visual education, package libraries, etc.

Publications

The Extension Division publishes from time to time circulars of general or specific interest. These circulars may be on any one of a wide number of subjects. In fact, any department of the University may have the opportunity of publishing material through this bureau as far as resources will permit.

Leadership Week

The first annual Leadership Week was held in January, 1922. Since that time it has been an annual event. In the 13th week, in 1934, the attendance represented 70 stakes of the Church. About twenty-six short courses were given.

CORRESPONDENCE COURSES

NOTE: Courses marked "x" are either not given in residence or do not correspond precisely to residence courses in the same subject. All other courses parallel residence courses by the same number.

ACCOUNTING AND BUSINESS ADMINISTRATION

1. **Elementary Accounting.** Five hours credit. Boyle.
2. **Elementary Accounting.** Five hours credit. Boyle.

14x. Commercial Art. Two hours credit. Jenson. Fee $7.00.
22. Principles of Marketing. Three hours credit. Johnson.
24. Salesmanship. Three hours credit. Johnson.
25. Advertising. Three hours credit. Johnson.
27. Cooperative Marketing. Three hours credit. Nelson.
30. Commercial Geography. Five hours credit. Hansen.
50. Intermediate Accounting. Four hours credit. Clark.
51. Intermediate Accounting. Three hours credit. Clark.
52. Intermediate Accounting. Four hours credit. Clark.
61. Personnel Management. Three hours credit. Boyle.
62. Personnel Management. Three hours credit. Boyle.
63. Personnel Management. Three hours credit. Boyle.
74. Principles of Satistics. Three hours credit. Boyle.
75. Business Statistics. Two hours credit. Boyle.

AGRONOMY

21. Root Crops. Four hours credit. Martin.
22. Cereal Crops. Four hours credit. Martin.
23. Forage Crops. Four hours credit. Martin.
41. Soils. Three hours credit. Martin.
92. Bacteria in Relation to Soil Fertility. Three hours credit. Martin.
94. History of Agriculture. Three hours credit. Nelson.
99. Agricultural Literature. Credit to be arranged. Martin.

ANIMAL HUSBANDRY

2. History of Breeds of Live Stock. Five hours credit. Ivins.
8. Practical Poultry Farming. Three hours credit. Ivins.

ART

14x. Commercial Art. Two hours credit. Jenson. Fee $7.00.
17x. Illustration. Two hours credit. Eastmond. Fee $7.00.
47. Art Pageantry Production. Two hours credit. Eastmond.

BOTANY

21. General Bacteriology. Three hours credit. Martin.
55x. Local Flora. Three or five hours credit. Harrison.
90. Advanced Systematic Botany. Harrison.

DRAWING

4. Drawing. Two hours credit. Snell.
5. Drawing. Two hours credit. Snell. Prerequisite 4.
6. Drawing. Two hours credit. Snell. Prerequisite 5.
10. Instrumental Perspective. Two hours credit. Snell. Prerequisite 4, 5, 6, or equivalent.
13. Architectural Drawing. Two hours credit. Snell. Prerequisite 4, 5 and 6.
14. Architectural Drawing. Two hours credit. Snell. Prerequisite 13.
15. Architectural Drawing. Two hours credit. Snell. Prerequisite 14.

ECONOMICS

11. Introduction to Economics. Three hours credit. Miller.
12. Principles of Economics. Three hours credit. Miller. Prerequisite, Economics 11.
13. Current Economic Problems. Three hours credit. Miller.
31. Cooperative Marketing. (See Sociology 53) Nelson.
61. Labor Problems. Three hours credit. Boyle.
93. Economic History of Agriculture. Three hours credit. Nelson.

EDUCATIONAL ADMINISTRATION

5. Educational Administration. (See Elementary Education) Three hours credit. Lambert.
50. Rural Education. Three hours credit. Merrill.
60x. Youth and Its Leadership. Five hours credit. Lambert.

ELEMENTARY EDUCATION

5. **School Organization and Administration.** Three hours credit. Lambert.
12. **Elementary School Curriculum.** Three hours credit. Lambert.
22. **Hygiene and Sanitation.** Three hours credit. Hayward.

PHILOSOPHY OF EDUCATION

74. **Rural Sociology.** Three hours credit. Nelson. (See Sociology 53.)
81. **Science of Education.** Four hours credit. Woodward.
86. **History of Education.** Three hours credit. Woodward.

SECONDARY EDUCATION

53. **Organization and Administration.** Three hours credit. A. N. Merrill.
55. **Secondary Education in the United States.** Four hours credit. Merrill.

ENGLISH

1. **Rhetoric and Composition.** Three hours credit. Thornton.
2. **Rhetoric and Composition.** Three hours credit. Thornton. Continuation of course 1.
3. **Rhetoric and Composition.** Three hours credit. Thornton. Continuation of course 2.
4. **Business English.** Three hours credit. Roberts.
5. **Newswriting.** Three hours credit. Merrill.
11. **Advanced English Grammar.** Four hours credit. Young.

16x, 17x. **Survey of American Literature.** Four hours credit. Mrs. Jensen.

20, 21, 22. **Masterpieces of English Literature.** Six hours credit.

21x, 22x, 23x. **Survey of English Literature.** Nine hours credit. Mrs. Jensen.

44x. **History and Development of the American Novel.** Four hours credit. Osmond.

51. **Feature Writing.** Three hours credit. Culmsee.

50x, 51x, 52x. **Readings in World Literature.** Six hours credit. Mrs. Jensen.

53x, 54x, 55x. Readings in World Literature. Six hours credit. Mrs. Jensen.
57. Short Story Writing. Two hours credit. Osmond.
58x. The Modern Short Story. Three hours credit. Mrs. Jensen.
65. Recent Drama. Three hours credit. Pardoe.
76x. Tennyson. Three hours credit. Mrs. Jensen.
86-1x. The Poetry of Robert Browning. Three hours credit. Mrs. Jensen.
86-2x. Continuation of 86-1x. Three hours credit. Mrs. Jensen.

FINANCE AND BANKING

51. Business Finance. Four hours credit. Clark.
52. Continuation of 51. Four hours credit. Clark.
53. Money and Banking. Four hours credit. Clark.
54. Investments. Four hours credit. Clark.

GEOLOGY AND GEOGRAPHY

1. Survey Course. Four hours credit. Hansen.
30. Geography of Economic Products. Five hours credit. Coffman.
80. Human Geography. Three hours credit. Hansen.

HISTORY

1x. History of Modern Europe, 1500-1680. Three hours credit. Snow.
2x. History of Modern Europe, 1680-1815. Continuation of course 1. Three hours credit. Snow.
3x. History of Modern Europe, 1815 to Present Time. Three hours credit. Snow.
18x or 51x. History of Civilization. Four hours credit. Snow.
20, 21, 22. American History. Nine hours credit. Jensen.

HOME ECONOMICS

10x. Elementary Nutrition. Two hours credit. Barlow.
80. Household Administration. Three hours credit. Warnick.

MATHEMATICS

11. College Algebra. Five hours credit. Marshall.

12. Plane and Spherical Trigonometry. Five hours credit. Marshall.
49. Analytic Geometry. Five hours credit. Hales.
50. Differential Calculus. Four hours credit. Hales.
51. Integral Calculus. Four hours credit. Hales.

GERMAN

13x. Directed German Reading. Three hours credit. Prerequisite, ten hours of German. de Jong.

57x, 58x, 59x. Directed German Reading. Three hours credit for each course. Prerequisite, fifteen hours of German. de Jong.

67x. German Composition. Three hours credit. Prerequisite, eighteen hours of German. de Jong.

FRENCH

13x. Directed French Reading. Three hours credit. Prerequisite, ten hours of French. Cummings.

57x, 58x, 59x. Directed French Reading. Three hours credit for each course. Prerequisite, fifteen hours of French. Cummings.

67x. French Composition. Three hours credit. Prerequisite, eighteen hours of French. Cummings.

SPANISH

13x. Directed Spanish Reading. Three hours credit. Prerequisite, ten hours of Spanish. Cummings.

57x, 58x, 59x. Directed Spanish Reading. Three hours credit for each course. Prerequisite, fifteen hours of Spanish. Cummings.

67x. Spanish Composition. Three hours credit. Prerequisite, eighteen hours of Spanish. Cummings.

OFFICE PRACTICE

11-12. Gregg Shorthand. Eight hours credit.

31. Business English. Three hours credit.

PHYSICAL EDUCATION

77, 78, 79. Scoutcraft. (See Religious Education.) Six hours credit. Anderson.

PHYSICS

16. **Descriptive Astronomy.** Four hours credit. Hales.
21. **Meteorology.** Four hours credit. Hales.

PSYCHOLOGY

11. **General Psychology.** Five hours credit. Poulson.
21. **Elementary Educational Psychology.** Three hours credit. Dusenberry.
74. **Advanced Educational Psychology.** Four hours credit Poulson. Prerequisite, three hours of Elementary Psychology.

RELIGIOUS EDUCATION

3x. **Church History.** Two hours credit. Wilson.
14. **Genealogy.** Two hours credit. Sudweeks.
19. **Doctrine and Missionary Method.** Two hours credit. Ivins.
20. **History of Religious Propaganda.** Two hours credit. Ivins.
77, 78, 79. **Scout Leadership.** Six hours credit. Anderson.

SOCIOLOGY

11-12 or 55-56. **Elementary Principles of Sociology.** Six hours credit. Nelson.
53. **Rural Sociology.** Three hours credit. Nelson.

SPEECH

1. **Public Speaking.** Three hours credit. Pardoe.
51. **Advanced Public Speaking.** Three hours credit. Pardoe.
72. **Theory of Play Production.** Three hours credit

ZOOLOGY AND ENTOMOLOGY

20. **Health Education.** Three hours credit. Hayward.
32x. **Apiculture.** Three hours credit. Wakefield.
93. **Field Zoology.** Credit to be arranged. Tanner.

HIGH SCHOOL COURSES

ENGLISH

d. **A Study of the Types of Literature.** One unit credit.

GEOGRAPHY

a. **Economic Geography.** One unit credit. Coffman.

MATHEMATICS

a. **High School Algebra.** One unit credit. Jensen.
b. **Plane Geometry.** One unit credit. Coffman.
c. **Second Course in Algebra.** One unit credit. Jensen.
d. **Solid Geometry.** One-half unit credit. Marshall.

Training Schools

AMOS N. MERRILL, Acting Dean of College of Education
EDGAR M. JENSEN, Director, Training Schools
GENERAL SUPERVISORS:

A. N. MERRILL, Secondary Training
HERMESE PETERSON, Intermediate Grades
EMMA BROWN, Primary Grades

SECONDARY SCHOOL FACULTY

EDGAR M. JENSEN, Principal
C. LAVOIR JENSEN, Junior H. S. Mathematics
WM. F. HANSON, Music
W. ELMO COFFMAN, Mathematics and Science
HUGH W. PETERSON, Science
STELLA P. RICH, English
MARGARET SWENSON, Home Economics
BILLIE HOLLINGSHEAD, Social Science
FRED DIXON, Physical Education
EDNA SNOW, Biology
GOLDEN L. WOOLF, French
WILFORD D. LEE, English

ELEMENTARY SCHOOL FACULTY

HERMESE PETERSON, Principal
MAY C. HAMMOND
BARBARA MAUGHAN
GLADYS KOTTER
GEORGIA MAESER
HAZEL CLYDE WATKINS
JENNIE CAMPBELL
THELMA LUDLOW

ORGANIZATION AND PURPOSE

The Training Schools are organized on a kindergarten 6-3-3 basis; viz: a kindergarten, an elementary division, a junior and a senior high school.

Students enrolled in the training schools have all the advantages of the University plant such as the use of the libraries, gymnasiums, laboratories, shops, athletfields, auditorium, etc. These enlarged opportunities, with the advantages of expert teachers, make the training schools especially attractive and advantageous to students of elementary and high school age.

Provisions are made for promotions from grade to grade and from one division to another so that pupils may enter either the kindergarten or first grade and remain in continuous attendance until they are graduated from one of the colleges of the University. The educational welfare of the students is safeguarded by an enriched curriculum, in addition, provisions are made for moral and religious training every year the student is in attendance.

Pupils completing the first six grades are regularly promoted to the Junior High School. Here departmentalization begins permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements and towards graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

Students will be graduated from the Senior High School upon completion of twelve units of work in the Senior High School. These twelve units of work must be secured during three years attendance in Senior High School and must include all the constants prescribed for each year and the sequence of courses prescribed in one of the four curricula. Students graduating from the "General Course," which alone meets definitely the college entrance requirements, must present the following group requirements (1) English, 2 units, (2) a Principal Group of 3 or more units, (3) a Secondary Group of 2 or more units.

Students are required to take the regular courses in physical education during residence at this school. Students are released from this requirement only upon statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation; a maximum of one-half unit of credit may be counted toward graduation for these courses.

All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

HIGH SCHOOL ACTIVITIES

Under the direction of the regular teachers and the faculty committee, a full program of athletic and social affairs is provided for the junior and senior high school students.

The senior high school groups have regular social gatherings and recreational activities under faculty supervision and counsel. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a play or a musical program. The school is a member of the State High School Debating Association and the Utah High School Athletic Association. In addition to these opportunities for extra-curricular activity a regular High School Student Body organization is maintained with the various activities that naturally are sponsored by such organizations. The high school students have also the advantage of participation in the regular activities of the University student body life.

THE CURRICULA

Four curricula, or four groups of studies, are provided. As early as the ninth year and not later than the tenth year, pupils with the counsel of the parents and teachers, should make a choice of the group of studies (the curriculum) which they propose to pursue during the remaining years of high school study. This choice should be made with the definite intent of staying in that curriculum until graduation. Any marked deviation from recommended sequences in any given curriculum without very valid reasons will not be permitted. Transfer from one curriculum to another will delay graduation.

CREDIT

Those classes which require outside preparation which meet five days each week for full fifty minutes, and which continue for the full school year of 34 or 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit. The half-unit courses meet daily for half the year or two or three days each week with preparation, or meet daily with no outside preparation, and run throughout the year. There are no "quarters" in high school program as there are in the University.

Students who register late or who discontinue before the end of the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULUM

Junior High School

7th Grade

Subjects	Periods
English I	5
Geography	5
Mathematics I	5
Reading	2
Music	2
Sewing	2
Manual Training	2
Religion Class	2
Physical Education and Recreation	3

8th Grade

Subjects	Periods
English II	5
History	5
Mathematics II	5
General Science	3
Reading	2
Music	2
Cooking	2
Shop Work	2
Religion Class	2
Physical Education and Recreation	3

9th Grade

Subjects	Periods
English	5
Community Civics	3
Biology	5
Theology	2
Physical Education	3

Electives	Periods
French B	5
Plain Sewing	2

Art	..
Elementary Drafting	5
Theory of Music	3
Elementary Typing*	5
Algebra	5
Foods or Woodwork	2
Music	2

SENIOR HIGH SCHOOL

Constants (required subjects in all Curricula. Students must register for these subjects).

10th Grade	11th Grade	12th Grade
English B— 5 periods	English C— 5 periods	English D*— 5 periods
Theology B— 2 periods	Theology C— 2 periods	Sociology and Economics— 5 periods
Physical Education	Physical Education	Theology D— 3 periods

Curriculum Group Requirements

According to the curriculum or group of studies chosen to be followed by the student, the following are required subjects for graduation:

(1)

General Course

(Leads to College Entrance)

All Constants for the particular year 10th, 11th or 12th.

Algebra (unless taken in 9th Grade), or

Plane Geometry

American History or European History

Physics or Chemistry

(3)

Agriculture and Mechanics

All Constants for the particular year

Agriculture

Shopwork

Physics or Chemistry (preferably both)

Mechanical Drawing

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*Elective but highly recom

*Limited Registration.

(2)

Home-Making

All Constants for the particular year
Foods and Cooking
Plain Sewing
Dressmaking
Home-Making
Chemistry

(4)

Business

Art
All Constants for the particular year
Accounting A
Accounting B
Shorthand
Typewriting

Note: Curricula 2, 3, 4, will satisfy all requirements for graduation from the Senior High School. They may not meet college entrance requirements; curriculum 1 meets college entrance requirements.

Electives: Courses required in any curriculum group are open as electives to all other Senior High School students who have already met the constants requirements.

A recommended sequence of subjects in the general course, or curriculum (1), is as follows:

9th Year	Periods
English A	5
Algebra	5
Biology	5
Theology A	2
Physical Ed.	3

11th Year	Periods
English C	5
Theology C	3
Physical Ed.	3
Physics or Geom.	5
Am. or Europ. Hist.	5
Elective	2-5
Botany	5

10th Year	Periods
English B	5
Geom. or Algebra	5
Theology B	3
Physical Ed.	3
History	5
Elective	2-5
Botany	5

12th Year	Periods
English D	5
Theology D	3
Prob. Democ. or Civics	5
Physics or Chem.	5
Physical Ed.	3
Elective	3-5
Botany	5

SENIOR HIGH SCHOOL COURSES

Subject	Days	Classification	Year Taken	Credit
Grammar and Literature	5	Constant	10th	1 unit
Composition, Literature and Grammar	5	Constant	11th	1 unit
		Constant	12th	1 unit
Literature	5	Elective	10 to 12	1 unit
Dramtic Art	5	Elective	10 to 12	½ unit
Public Speaking	3	Elective	9 to 12	1 unit
French A	5	Elective	10 to 12	1 unit
Latin A	5	Gen. Course	10 to 11	1 unit
Spanish				
European History	5	Gen. Course	10 to 11	1 unit
Botany	5	Second Semester		½ unit
American History	5	Constant	12th	1 unit
Problems of Democracy	5	Gen. Course	9 to 12	1 unit
Algebra	5	Gen. Course	10 to 11	1 unit
Geometry	5	Several	10 to 12	1 unit
Physics	5	Several	12th	1 unit
Chemistry	5	Gen. Course	10 to 12	1 unit
Geography	5			
Physiology and Hygiene	3	Elective	10th	½ unit
Foods and Cooking	5	Homemaking	10 to 12	1 unit
Homemaking	2	Homemaking	11 to 12	½ unit
Plain Sewing	2	Homemaking	9 to 12	½ unit
Dressmaking	5	Homemaking	10 to 12	½ unit
Theory of Music	3	Elective	9 to 12	½ unit
Chorus	4	Elective	10 to 12	¼ unit
Orchestra	5	Elective	10 to 12	½ unit
Art	2	Elective	10 to 12	½ unit
El. Accounting	5	Business	10 to 12	1 unit
Adv. Accounting	5	Business	11 to 12	1 unit
El. Typewriting	5	Business	9 to 12	1 unit
Adv. Typewriting	5	Business	10 to 12	1 unit
Shorthand	5	Business	11 to 12	1 unit
Theology	3	Constant	10th	½ unit

Subject	Days	Classification	Year Taken	Credit
Theology	3	Constant	11th	½ unit
Theology	3	Constant	12th	½ unit
Physical Ed. (Girls)		Constant	9 to 12	
Physical Ed. (Boys)		Constant	9 to 12	
Woodwork A. B.	5	Agr. & Mech.	9 to 12	½ unit
Drafting A. B.	5	Agr. & Mech.	10 to 12	½ unit
Auto Mechanics	5	Agr. & Mech.	9 to 12	½ unit

Graduates 1933-34

MASTER DEGREES

Master of Arts

ALLEMAN, RAY S. .... Springville
A. B. Degree, B. Y. U., 1933.
Major: Physics.

AMARU, WI PERE .... Tolaga Bay, New Zealand
A. B. Degree, B. Y. U., 1934.
Major: Zoology.

BENIAMS, HERMAN N. .... Provo
A. B. Degree, B. Y. U., 1933.
Major: Physics.

BRYSON, EUGENE D. .... Salt Lake City
A. B. Degree, University of Utah, 1934.
Major: German.

CAMPBELL, ROALD F. .... Preston, Idaho
A. B. Degree, B. Y. U., 1934.
Major: Educational Administration.

CANNON, ANTHON S. .... Farmington
A. B. Degree, University of Utah, 1929.
Major: Religious Education.

COLVIN, HAROLD A. .... Provo
A. B. Degree, B. Y. U., 1932.
Major: Chemistry.

EVANS, EDMUND E. .... Payson
A. B. Degree, B. Y. U., 1924.
Major: Speech.

FECHSER, CLYDE I. .... Provo
A. B. Degree, B. Y. U., 1928.
Major: Philosophy of Education.

FISH, MARGARET .... Snowflake, Arizona
A. B. Degree, University of Arizona, 1933.
Major: English.

FRANDSEN, ERNEST .... Provo
A. B. Degree, B. Y. U., 1926.
Major: Religious Education.

FUJIWARA, TAKEO .... Sapparo, Japan
A. B. Degree, B. Y. U., 1933.
Major: History.

GARDNER, E. RAY .... American Fork
A. B. Degree, B. Y. U., 1916.
Major: Religious Education.

HARRIS, ARLENE .... Provo
A. B. Degree, B. Y. U., 1929.
Major: English.

HUTCHINGS, THERON B. .... Midvale
A. B. Degree, B. Y. U., 1933.
Major: Agronomy.
JOHANSON, ALVA J. .... Provo
A. B. Degree, B. Y. U., 1931.
Major: Chemistry.
SNOW, CLAUDE S. .... Provo
A. B. Degree, B. Y. U., 1932.
Major: Speech.
TAYLOR, FENTON W. .... Thatcher, Arizona
A. B. Degree, B. Y. U., 1933.
VANCOTT, FRANK A. .... Salt Lake City
A. B. Degree, B. Y. U., 1924.
Major: Theory of Music.
WHETTEN, LESTER B. .... Provo
A. B. Degree, B. Y. U., 1932.
Major: Educational Administration.

Master of Science

BERRETT, EDWARD H. .... Pocatello, Idaho
B. S. Degree, B. Y. U., 1926.
Major: Secondary Education.
EGGERTSEN, SIMON P. .... Provo
B. S. Degree, University of Utah, 1916.
Major: History.
HETTIG, T. DAVID .... Provo
B. S. Degree, B. Y. U., 1933.
Major: Philosophy of Education.
HOYT, HELEN GRACE .... Eugene, Oregon
B. S. Degree, B. Y. U., 1926.
Major: English.
LLOYD, WESLEY P. .... Oakley, Idaho
B. S. Degree, B. Y. U., 1927.
Major: Sociology.
ROMNEY, ANTONE K. .... Provo
B. S. Degree, B. Y. U., 1933.
Major: Educational Administration.
SCORUP, STENA .... Salina
B. S. Degree, U. S. A. C., 1929.
Major: Philosophy of Education.
SMITH, JUSTIN M. .... Provo
B. S. Degree, University of Arizona, 1932.
Major: Agronomy.
TREGEAGLE, DELBERT .... Provo
B. S. Degree, B. Y. U., 1932.
Major: Economics.
TREGEAGLE, PHYLLIS .... Provo
B. S. Degree, B. Y. U., 1928.
Major: English.

WING, JOHN........American Fork
B. S. Degree, B. Y. U., 1926.
Major: Chemistry.

WOOLF, DE VOE........Salt Lake City
B. L. Degree, Hamilton Law School, 1916.
L. L. M., Degree, Hamilton Law School, 1928.
Major: Secondary Education.

BACHELOR DEGREES

COLLEGE OF APPLIED SCIENCE

A. B. Degree

Cottam, Earl B.	Provo

B. S. Degree

Allen, Blaine W.	Salem
Ball, Uarda	Idaho Falls, Idaho
Bishop, Grant H.	Delta
Brown, Mary	Grantsville
Brugger, Gwen	Venice
Burr, Gerald D.	Provo, R. D.
Christensen, Helen	Provo
Condie, Vernon Clegg	Springville
Conover, Elizabeth	Provo
Cutler, Betty	Salt Lake City
Davies, Edward Everett	Provo
Durrant, Rubye Bartholomew	Provo
Ellsworth, Marjorie	Lewisville, Idaho
Fisher, Asael H.	Provo
Hart, Clarice Hanson	Provo
Hawkes, F. Pratt	Preston, Idaho
Haynie, Irene	Salt Lake City
Hougaard, Georgia	Manti
Hougaard, Virginia	Manti
Johnson, Fay	Provo
Kenney, Flora	Holden
Moore, Clara A.	Spanish Fork
Pearson, Irvin B.	Oakley
Robison, Bertha B.	Baker, Nevada
Shipp, Warren E.	Beaver
Snow, Hortense	St. George
Stowell, Rhoda	Provo
Young, Rhoda J.	Idaho Falls, Idaho

COLLEGE OF ARTS AND SCIENCES

A. B. Degree

Allen, C. Clinton	Goshen
Amaru, WiPere	Tolaga Bay, New Zealand
Anderson, H. Duane	Provo
Ashby, R. Morrell	American Fork
Bayles, Wesley L.	Blanding
Clark, Riley G.	Provo
Frost, Clyde M.	Coalville
Grow, Katherine	Cardston, Canada
Hammond, Merrill C.	Provo
Hansen, Caroline Adele	Provo
Harris, Elna M.	Ogden
Hayes, Sheldon P.	Provo
Hooks, Gladys	Provo
Hughes, Preston G.	Spanish Fork
Hutchings, Loman F.	Springville
Jennings, Frances I.	Ephraim
Kimball, Doris M.	Provo
Lee, Wilford D.	Iona, Idaho
Martin, William P.	Provo
Nelson, Leah	Spanish Fork
Parry, H. Dean	Ogden
Peterson, Margaret O.	Aberdeen, Idaho
Swenson, Elizabeth	Pleasant Grove
Tanner, J. Sherman	Provo
Taylor, Delenna Rogers	Provo
Thomson, Ralph D.	Ephraim
Vance, R. Wendell	Provo
Warner, Berenice	Grace, Idaho
Weight, Nellie	Springville
Williams, Alberta	Morgan
Wilson, O. Meredith	Provo
Young, Edith	American Fork

B. S. Degree

Ashby, George M.	Leamington
Bissell, Harold J.	Springville
Braun, Gordon Elwood	Ogden
Bunnell, Elvin W.	Provo
Carrigan, James Wm.	Peterson
Carter, Allan J.	Helper
Clarke, Thomas P.	Tolaga Bay, New Zealand
Creer, William E.	Spanish Fork
Larsen, Eugene C.	Provo
Larsen, Rex B.	Provo
Lillywhite, Don Carlos	Phoenix, Arizona

Reese, Margaret A.	Price
Reese, Rudolph P.	Provo
Seaton, May	Price
Smith, Earl T.	Beaver
Taylor, Preston N.	Banida, Idaho
Thornock, Owen D.	Bloomington, Idaho
Vance, Cyril L.	Provo
Wilkinson, Elva A.	Ogden

COLLEGE OF COMMERCE

A. B. Degree

Ballif, Royal F.	Preston, Idaho
Dixon, Mildred	Provo
Larsen, Orville L.	Pleasant Grove
Mitchell, John Harry	Eureka
Peterson, Kenn J.	Manti
Thornton, J. Read	Provo
Van Wagenen, Harold E.	Provo
Walker, Bernard S.	Pleasant Grove

B. S. Degree

Abbott, Ernest C.	Provo
Allred, David H.	Raymond, Canada
Anderson, Paul E.	Provo
Aycock, T. Edward	Vernal
Barnett, Shirley B.	Salem
Bird, Howard A.	Springville
Bunker, S. Bertell	Provo
Cowley, Edwin J.	Sigurd
Grow, David Spencer	Cardston, Canada
Haslam, Wm. Hill	Lewiston
Larsen, Carl L.	Preston, Idaho
Madsen, Clark C.	Springville
Maxwell, B. Alva	Eagar, Arizona
Miller, Barr C.	Murray
Murdock, Ernest Franklin	Park City
Okelberry, Orville W.	Goshen
Partridge, Carol	Provo
Ralston, Mary	Provo
Rich, Clarence D.	Morgan
Snow, R. Thornton	Provo
Taylor, H. Rex	Levan
Taylor, Weldon J.	Provo
Warnick, Carl G.	Provo

COLLEGE OF EDUCATION

A. B. Degree

Arrowsmith, Jessie B.	Provo
Carr, William Cecil	Auckland, New Zealand
DeLange, Talmage Young	Koosharem
Eberhard, Ernest, Jr.	Melba, Idaho
Millett, Floyd W.	Mesa, Arizona
Nielson, Louise M.	Tooele
Vance, Emery Merle	Provo
Woolf, Golden Legrand	Magrath, Canada

B. S. Degree

Anderson, Afton	Magna
Anderson, Kenneth G.	Clear Creek
Bennett, Erma	Provo
Brockbank, Ila	Provo
Brunt, Clarice	Idaho Falls, Idaho
Bunnell, Morris T.	Mt. Pleasant
Cartwright, Aubra	Beaver
Christianson, James W.	Spanish Fork
Colvin, Nellie	Salt Lake City
Comish, Alison	Eugene, Oregon
Conder, Vera H.	Provo
Condie, LeRoy	St. George
Connell, William	Provo
Coombs, Retta	Cardston, Canada
Cottam, Rulon V.	St. George
Dimick, Mildred H.	St. Anthony, Idaho
Frost, Thomas Leland	Ephraim
Fugal, Genevieve	Pleasant Grove
Graff, Sylvan	Santa Clara
Griffith, Melvin	Lake Point
Hammond, May C.	Provo
Hansen, Floy	Richfield
Harris, Wayne	Portage
Huff, Mary P.	Provo
Jacobs, Emma	Roy
Jensen, Vernon H.	Salt Lake City
Jorgensen, Vern Frank	Fountain Green
Kotter, Floyd	Elsinore
Kotter, Wilma M.	Brigham City
Lewis, Bernell H.	Spanish Fork
Murphy, J. Bud	Salina
Nielson, Emil K.	Provo
Rasmussen, Rulon S.	Monroe
Richmond, Dorothy	Provo
Rigtrup, Rowena Hutchings	Springville
Shields, Lloyd	Tooele

Smith, Virgil J.	Lehi
Sorensen, Virginia E.	Springville
Summers, Helen	Provo
Sundwall, Harry West	Fairview
Vest, Edwin T.	Ogden
Walker, Paul K.	Nephi
Washburn, Jesse Alvin	Provo
White, Faye	Payson
Wilson, Dale B.	Payson
Wiscombe, Ronald J.	Roosevelt
Woodland, Kathryn	Arimo, Idaho
Yorgason, Robert	Burlington, Wyoming

COLLEGE OF FINE ARTS

A. B. Degree

Bateman, Horald M.	Midvale
Broadbent, Lynn	Provo
Cook, Helen	Paris, Idaho
Edmunds, Olive	Chicago, Illinois
Ericksen, Ralph A.	Mt. Pleasant
Evans, Jayne Ann	Spanish Fork
Farnsworth, DeLin	Circleville
Lee, Lawrence	Logan
LeeMaster, Vernon J.	Provo
LeSueur, Edith Paxman	Provo
Madsen, Florence J.	Provo
Maycock, Esther	Springville
Myers, La Priel	American Fork
Page, Ailsa Nell	Ft. Duchesne
Pardoe, Kathryn Bassett	Provo
Parry, Roland C.	Ogden
Romney, Marguerite	Colonia Juarez, Chih., Mexico
Snell, Alta H.	Provo
Van Cott, Frank A.	Salt Lake City

B. S. Degree

Halladay, Wilford Meeks	Circleville
Jensen, Mary	Brigham City
Luke, Clinton L.	Idaho Falls, Idaho
Morrison, Lillian	St. George
Parkinson, Ann	Rexburg, Idaho
Stoker, Alta	Sugar City, Idaho
Thiriot, Joseph E.	Hiko, Nevada
White, Deleen	Morgan

COLLEGE OF EDUCATION

Normal Diplomas

Amundsen, Cleone	Salt Lake City
Frazier, Verness White	Oakley
Greenwood, Lois	American Fork
Harding, Elden A.	Provo
Huffaker, Ruth E.	Murray
Larsen, Thelma	Castle Dale

GRADUATES WITH HIGH HONORS

Ashby, R. Morrell
Brugger, Gwen
Carter, Allan
Comish, Alison
Conover, Elizabeth
Delange, Talmage Young
Durrant, Rubye Bartholomew
Ellsworth, Marjorie
Haynie, Irene
Larsen, Carl L.
Martin, William P.
Nelson, Leah
Robison, Bertha B.
Snell, Alta

GRADUATES WITH HONORS

Anderson, H. Duane
Bunker, Bertell
Christensen, Helen
Eberhart, Ernest, Jr.
Johnson, Fay
Kimball, Doris M.
Pearson, Irvin B.
Thomson, Ralph D.
Thornock, Owen D.
Wilson, O. Meredith

Enrollment of Students

1933-34

In the following list "a" stands for arts and sciences; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "ss" for summer school; "G" for graduate; "S" for senior; "J" for junior; "So" for sophomore; "F" for freshman; "Un" for unmatriculated; and "Sp" for special.

Abbott, Claud, ap-F..Mesquite, Nevada
Abbott, Ernest C., c-S ......Provo
Abbott, E. Vaughn, c-F ......Mesquite, Nevada
Acord, L. Earl, ss ......Castle Gate
Acord, Golda, ss ......Spring City
Acord, Irma, Sp ......Provo
Adams, Ellen, ap-F ....Pleasant Grove
Adams, Howard M., e-So ......Parowan
Adams, Milo J., fa-So ....Spanish Fork
Adams, Robert L., e-F ..Rupert, Idaho
Adamson, Phyllis, Sp ..American Fork
Agren, Eileen, e-J ......Ogden
Agren, Pehr H., fa-F ......Lewisville, Idaho
Alder, Don M., c-J ......Provo
Alder, Ralph J., a-F ......Provo
Alexander, LaRay, c-F ..Spanish Fork
Alger, Almo Don, c-F ......Provo
Alldredge, Donald J., a-F ......Preston, Idaho
Alldredge, Weldon E., a-J ......Preston, Idaho
Aldrich, Clair M., c-J ....Mt. Pleasant
Aldrich, Ray M., c-S ......Mt. Pleasant
Alleman, Mrs. E. K., Sp......Springville
Alleman, Helen, G-ss ......Springville
Alleman, Karl H., ap-F ...Springville
Alleman, Ray S., G ......Springville
Allan, Blaine, ap-S ......Salem
Allen, Alice R., ss ......Provo
Allen, Champ, fa-F ......Antimony
Allen, C. Clinton, a-S ......Goshen
Allen, Genevieve M., Sp ......Provo
Allen, James E., a-F ......Provo
Allen, Marvin M., a-F ......Charleston
Allen, Myrth, e-F ......Eureka
Allen, Nathan D., a-F ......Roosevelt
Allen, Priscilla, e-So ...Mesa, Arizona
Allen, Robert K., G ......Provo
Allen, Roberta, e-F ......Mesa, Arizona
Allen, Stewart, a-F ....American Fork
Allphin, Anna L., fa-F ...Lovell, Wyo.
Allphin, Velda, ss ......Lovell, Wyo.
Allred, David H., c-S ......Raymond, Alberta, Canada
Allred, Fullmer A., a-So ......Lehi
Allred, J. Eldred, a-Un ......Talmage
Allred, Iris F., e-F ......Provo
Allred, Huitau LuPrele, ap-F ...Lehi
Allred, Markland E., a-F ......Lehi
Allred, Moreho V., ap-J ......Lehi
Allred, Ruth, c-F ......Raymond, Alberta, Canada
Allred, Theras Q., a-So ......Provo
Allred, Vonda D., Sp ......Provo
Amaru, Wi Pere K., G-ss ......Tolaga Bay, New Zealand
Ames, Harry, a-F ......Afton, Wyo.
Amundsen, Cleone, e-J..Salt Lake City
Anderson, Afton, e-S-ss ......Magna
Anderson, Clarence A., e-So ....Levan
Anderson, Clarence W., fa-So ......Mt. Pleasant
Anderson, DuAne P., a-S ...Gunnison
Anderson, H. Duane, a-S ......Provo
Andersen, Emily, Sp ......Provo
Anderson, Erma, Un ......Provo
Anderson, Evan R., fa-So ...Ephraim
Anderson, Gordon P., e-F ......Idaho Falls, Idaho
Anderson, Hazel, fa-So-ss ..Springville
Andersen, Irving E. ap-J ......Brigham City
Andersen, Jennie, ss ......Provo
Anderson, Kenneth G., Sp-ss ..Garland
Anderson, Lewis, a-F ......Levan
Anderson, Maud, G ......Manti
Anderson, Paul E., c-S ......Provo
Anderson, Paul S., e-So ......Emery
Anderson, Ralph W., c-So ......Elsinore
Anderson, Reed G., a-J ......Idaho Falls, Idaho
Anderson, Robert A., ap-F......McKinnon, Wyo.
Anderson, Vera, e-So ....ElPaso, Texas
Anderson, Vivian, ss ......Moroni
Andrews, Grant M., ss ....Ucon, Idaho
Andrews, Max, a-F ......Provo
Angus, Clifford H., fa-F ......Benjamin
Applegate, J. Owen, a-F ....Circleville
Arbon, John T., G-ss ......Tremonton
Armistead, Phyllis, fa-So ......Lehi
Armstrong, C. Harold, a-S ......Ogden
Arnold, Marion, a-F ....Evanston, Wyo.
Arrowsmith, Jessie B., ss-Sp ....Provo
Asay, Bert, a-F ......Lovell, Wyo.
Ashby, Eda A., fa-F ....American Fork
Ashby, George M., a-S ....Leamington
Ashby, Martha, e-F ......Spanish Fork
Ashby, R. Morrell, a-S..American Fork
Ashby, Orran T., e-J ......Leamington

Ashby, Wilford, ss ....Richfield
Ashby, William C., a-Sp ....Am. Fork
Ashman, Gwendolyn, e-F ......Richfield
Ashton, Clarence D., Sp-G ....Provo
Ashton, Leah, a-F ....Provo
Ashworth, Victor M., G ....Provo
Austin, Maxine I., ap-F ....Lehi
Aycock, Edward T., c-S ....Vernal
Aycock, Mulford H., c-F ....Vernal
Aycock, Zella, ss ....Vernal

Babcock, James E., ap-F..Mt. Emmons
Bagley, Maida, Sp ....Provo
Bagley, Vera M., e-F ....Provo
Bagnall, Clara, ss ....Chester
Bahr, A. Francis, ap-So....Shelley, Ida.
Bailey, Maxine, a-F ....Monticello
Bailey, Masine, a-F ....Monticello
Baird, Edwin, ss ....Chester
Baird, Lois, c-F ....Heber City
Baird, Maurine, c-Un ....Provo
Baker, Kenneth W., a-F ..Baker, Nev.
Baker, Harold R., ss ..Idaho Falls, Ida.
Baldwin, Luther W., e-F ..Afton, Wyo.
Ball, A. Elden, fa-So..Idaho Falls, Ida.
Ball, Phyllis, c-So ..Soda Springs, Ida.
Ball, Uarda, ap-S ....Idaho Falls, Ida.
Ball, Wilburn N., a-J ....Lehi
Ballard, O. Duane, c-J ....Draper
Balle, Harry R., e-J ....Glenwood
Ballif, Eva, G-ss ....Preston, Ida.
Ballif, Royal, c-S ....Preston, Ida.
Bandley, Willard B., a-F ....Provo
Banks, C. Mae, c-J ....Provo
Banks, Wally, ap-So ....Lehi
Banner, Laura, e-F ....Springville
Barlow, Marie, fa-F ....Burley, Ida.
Barnett, Shirley B., c-S ....Salem
Barnett, Wilmer L., a-F ....Nephi
Bartholomew, Marie, ap-Un ....Springville
Bartholomew, Virga, a-F....Springville
Barton, J. Cullen, a-So ....Beaver
Barton, Mary A., ss-e-So ....Elko, Nev.
Barton, Una M., e-F ....Ferron
Bascom, F. Weldon, a-F ....Raymond, Alberta, Canada
Bascom, Earl W., fa-Un ....Raymond, Alberta, Canada
Bastian, Weldon W., fa-So ....Vernal
Bateman, Horald M., fa-S ....Midvale
Batty, Paul M., c-Un ....Orem
Batty, Vance, ap-So ....Wallsburg
Bayles, Mary, ap-J ....Blanding
Bayles, Wesley L., a-S ....Blanding
Bean, Bryan, Sp ....Eureka
Bean, Delbert I., a-So ....Price
Bean, Helen, G-ss ....Provo
Beardall, Anna, ss-Sp ....Springville
Beck, Jay Vern, ss-G....American Fork
Beck, J. Milton, Jr., a-So ....Payson
Beck, Stella, ss ....Spanish Fork
Beck, Vanice, e-J ....Draper
Becker, Teut, a-So ......Bend, Oregon
Beckerman, Verda S., ss ....Las Vegas, Nevada
Beckstead, Orval A., ss ....Midvale
Bee, James W., a-F ....Provo
Bee, Lawrence S., a-J ....Provo
Behrmann, Illa, e-F ....Kirtland, New Mexico
Behrmann, Orie, a-F ....Kirtland, New Mexico
Bench, Dean W., ss ....Mohrland
Benedict, Lenora J., e-So ....Las Vegas, Nevada
Beniams, Herman N., G ....Provo
Bennett, Barta, ss ....Holden
Bennett, Carol, a-Un ....Provo
Bennett, Erma, ss-Sp ....Provo
Bennett, Faun A., ss ....Deseret
Bennett, Mark L., ss ....Holden
Bennion, Lowell S., ap-So ....Benmore
Bennion, Marinda, ap-So ....Murray
Benson, Carmen, c-So ....Preston, Ida.
Benson, Max L., c-F ....Moreland, Ida.
Benson, Scott C., fa-F....Pueblo, Colo.
Bentley, LeRoi, ss ....Tooele
Berg, Verna, ss ....Murray
Berge, Glen E., ap-F ....Payson
Bergesen, C. Allan, a-So ....Salt Lake City
Berkman, Arthur E., ss ....Heber
Berrett, Edward H., G-ss-Sp ....Pocatello, Idaho
Berrett, Ralph E., a-F ....Ogden
Berry, Wilmont E., a-J ....Provo
Bertotti, George, ss-a-J ....Oakland, California
Bethers, Pratt M., ss ....Heber City
Biddulph, Clyde, ss-a-So ....Provo
Biddulph, Reed, a-So ....Provo
Biddulph, Ruth H., a-S-ss ....Provo
Bigelow, Margaret M., ss-Sp....Provo
Bigelow, Percival P., ss-Sp ....Provo
Bigler, Rex A., a-J ....Central, Ariz.
Bingham, Afton, c-F ....Spanish Fork
Bingham, Elva A., fa-So ....Ogden
Bingham, James W., ss..Spanish Fork
Bingham, Klara, a-J ....Spanish Fork
Bingham, Owen W., fa-J ....Morgan
Bingham, Sanford M., a-So ....American Fork
Bingham, Thelma S., a-So ....Tucson, Arizona
Binns, Ellen, ap-So ....American Fork
Birch, Virginia M., Sp ....Provo
Bird, Howard A., c-S ....Springville
Bird, Josephine, Sp ....Provo
Bird, Marcell W., fa-So ....Mendon
Bird, Margaret, fa-J ....Springville
Bird, Orlie, ss ....Mendon
Bird, Paul H., c-F ......Salt Lake City
Bishop, Duane, c-J ....Delta
Bishop, Grant, ap-S ....Delta
Bishop, Verdell R., c-So ....Delta
Bissell, Harold J., a-S ....Springville
Bjerregaard, Eliza M., Sp ....Provo

Bjerregaard, George W., c-J ....Provo
Bjerregaard, Oscar F., ss-G ....Provo
Black, Glen W., e-So ....Ferron
Black, Joy, ss ....Fillmore
Black, Mary, ap-So ....Delta
Black, P. Orin, e-F ....Sandy
Black, Shirl, fa-F ....Provo
Blackham, Eugene, e-F ....Moroni
Blackham, Gwendolyn, ss ....Moroni
Blackham, Ralph S., a-J ....Moroni
Blackwell, Harry, c-J....Pleasant Grove
Blight, Alex, ss ....Eureka
Bloomfield, Owen F., ap-So ....Kirtland, New Mexico
Bloomquist, Virginia, Sp ....Provo
Bluth, Genevieve, fa-F....ElPaso, Texas
Boberg, Afton, e-So ....Draper
Boberg, Lowell J., ss ....Draper
Bodily, Angus S., c-Un....Preston, Ida.
Bodily, Gerald P., a-J....Preston, Ida.
Bohman, Proctor J., e-F ....Monroe
Boley, Morgan, e-So....American Fork
Bone, George I., a-J ....Lehi
Bone, Orren A., a-So ....Lehi
Booth, Leona, ss-e-J ....Provo
Booth, Wilson, a-J ....Provo
Booth, Virginia, G-ss ....Provo
Borg, Glen M., e-F ....Midvale
Borgeson, Andrew A., ap-Un ....Santaquin
Bosh, Merie A., ss ....Levan
Bowdish, Palmer R., G-ss ....Provo
Bowdish, Willa, G-ss ....Provo
Bower, Helen L., a-J ....Provo
Bown, Myron S., ap-F ....Provo
Bown, Noel, c-So ....Provo
Bowen, Jennie M., ap-So ....Spanish Fork
Bowen, Shirley, a-So....Spanish Fork
Bowles, Catherine, e-F ....Nephi
Bowman, Lorraine, fa-F ....Provo
Boyack, Archie R., ss-G....Lovell, Wyo.
Boyack, Clifton D., fa-J ....Delta
Boyack, Halden, c-F ....Delta
Boyce, LaRue, c-F ....Provo
Boyd, Walter G., c-J....Oakland, Calif.
Boyer, Fern, a-J ....Springville
Boyer, Erwin, e-F ....Silver City
Boyer, Helen, e-S ....Springville
Boyer, Louise, Sp ....Provo
Boyer, Margret, fa-So ....Provo
Boyle, Sydney W., e-F ....Provo
Bradshaw, Wm. Ray, c-S....Hurricane
Brady, Ed. L., e-S ....Castle Dale
Brady, Leo J., a-So....Manassa, Colo.
Brady, Millard F., c-J....Manassa, Colo.
Bramwell, Wendell, c-S ....Ogden
Brand, Virginia J., e-F....Chicago, Ill.
Brasher, Kirk, ap-J ....Huntington
Braun, Gordon E., a-S ....Ogden
Breinholt, Herbert C., fa-F ....Provo
Briggs, Vella, ap-J ....Pocatello, Idaho
Bright, Lynn T., fa-S ....Lewiston
Brimhall, Clifton, ss ....Spanish Fork
Brimhall, A. DeVoe, c-So ....Provo
Brimhall, L. Elaine, a-So ....Shoshone, Idaho
Brimhall, W. Smoot, ap-So ....Provo
Brinkerhoff, Helen C., e-F ....Emery
Brinley, Eldon, ss-G ....Pleasant Grove
Brinley, J. Harold, ss..Las Vegas, Nev.
Brinley, Vera L., ss ..Las Vegas, Nev.
Broadbent, David A., ss ....Heber
Broadbent, Emer E., c-F ....Heber
Broadbent, Lynn, fa-S ....Provo
Broadbent, Mary, ap-J ....Heber
Broadbent, Maurice, fa-F ....Provo
Broadbent, Mima, e-So ....Heber
Broadbent, Naomi, ss ....Heber
Broadbent, Roy, c-So ....Heber
Broadbent, Thomas L., e-J ....Ogden
Brockbank, Ila, ss ....Provo
Brockbank, Starr L., a-So ....Spanish Fork
Brockbank, Joseph A., G-ss ....Spanish Fork
Bromley, Clarice, Sp ....American Fork
Bronson, Doris L., c-F..Murtaugh, Ida.
Brooksby, Irene, ap-So..Fredonia, Ariz.
Brough, Euniece, fa-F ....Nephi
Brower, Melba, c-F ....Salt Lake City
Brown, Aaron G., c-So..Salt Lake City
Brown, Almon L., G-ss..Pocatello, Ida.
Brown, Eleanor, e-F ....Sandy
Brown, Fay, Sp ....Provo
Brown, Fay, c-So ....Spanish Fork
Brown, Frank K., ss-a-Un ....Salt Lake City
Brown, Helena D., e-So ....Ogden
Brown, Glenn W., a-Un ....Springville
Brown, Jack, fa-J ....Manti
Brown, Kate, Sp ....Provo
Brown, La June, ap-So..Salt Lake City
Brown, Lawrence, c-Un ....Provo
Brown, Loa, c-F ....Spanish Fork
Brown, Mary, ap-S ....Grantsville
Brown, Mary M., a-F..Salt Lake City
Brown, Roy J., c-J ....Pleasant Grove
Brown, Zelma D., e-J....Pleasant Grove
Browning, Claramay, ss ....Ogden
Browning, Eva R., ss ....Ogden
Bruce, Winona M., ss ....Afton, Wyo.
Brugger, Gwen, ss-ap-S ....Venice
Brunt, Clarice, ss-e-S..Idaho Falls, Ida.
Brunt, Paul S., c-Un..Idaho Falls, Ida.
Brunt, Zona, a-F ....Idaho Falls, Ida.
Bryner, Louis P., a-So ....Helper
Bryson, Eugene D., G ....Bountiful
Buchanan, Afton, fa-F ....Venice
Buchanan, Clarence E., fa-Un ..Venice
Buchanan, Jesse L., a-F ....Roosevelt
Buckley, Gerald, a-F ....Provo
Buckley, Margaret, a-So ....Provo
Buckwalter, Lu Rae, fa-So ....American Fork
Buggert, Anneliese F., a-F ....Provo
Bullock, Cecil I., c-F....Pleasant Grove
Bullock, Thomas S., a-F ....Provo
Bullock, B. Vern, c-F ....Provo
Bunderson, Grant V., a-So ....Mayfield

Bunderson, Leila V., e-S ....Emery
Bunker, S. Bertell, c-S ....Provo
Bunker, Francis L., a-F....Rox, Nevada
Bunnell, Elvin W., a-S ....Provo
Bunnell, Morris T., e-S....Mt. Pleasant
Burch, Leone, e-F ....Pleasant Grove
Burgess, Lucretia ss-fa-So ....Ogden
Burgess, Reid C., c-F ....Alpine
Burnside, Edith, ss ....Driggs, Idaho
Burr, Gerald D., ap-S ....Provo
Burr, Virginia, c-F ....Provo
Burton, Alva G., e-F ....Afton, Wyo.
Burton, Betty, ap-F.........Salt Lake City
Burton, Jack E., ap-F ....Provo
Butler, Cloris, e-So ....Tetonia, Idaho
Butler, Durwood S., a-Un..Driggs, Ida.
Butler, Oral C., Sp ....Provo
Bush, Emma, ss ....Pleasant Grove
Butt, Ethel C., G ....Provo
Butterfield, T. Ellis, a-F ....Riverton
Bylund, Dagmar, Sp ....Provo

Cahoon, Leon A., a-So ....Leavitt, Alta, Canada
Caine, Helen, ss ....Idaho Falls, Idaho
Calder, Helen, ap-J ....Vernal
Calder, Weldon H., a-F ....Vernal
Call, A. Alwyn, ss ....Salt Lake City
Call, Benjamin E., fa-F..Brigham City
Call, Evan P., c-Un ....Afton, Wyo.
Call, Ivan L., G ....Afton, Wyo.
Call, Marius A., c-F ....Afton, Wyo.
Call, Tracey G., a-So ....Afton, Wyo.
Call, Vee, a-So ....Bountiful
Callan, O'Enone, e-So ....Preston, Ida.
Callahan, Frances G., Sp ....Provo
Callahan, W. Guy, a-J ....Provo
Callahan, Sterling, fa-F ....Provo
Callis, Laura, e-J ....Atlanta, Ga.
Callis, Pearl, ap-F ....Atlanta, Ga.
Cameron, Dave, ss-a-Un ....Panguitch
Campbell, Della J., ss ....Preston, Ida.
Campbell, Henry A., c-So ....Provo
Campbell, Roald F., ss-Sp ....Preston, Idaho
Candland, Helen, ss ....Provo
Candland, Willis E., a-S ....Provo
Cannon, Anthon S., ss-Sp..Farmington
Cannon, Edith, ap-F ....Bountiful
Cannon, Hugh S., c-So....Farmington
Cannon, Kenneth L., ap-J ....Salt Lake City
Cannon, Mary P., ss-G..Blackfoot, Ida.
Cannon, Rowland M., a-So ....Ames, Iowa
Cardall, Hannah J., Sp ....Provo
Carlile, Maurine, e-F ....Kamas
Carlile, Rulon G., a-F ....Heber City
Carlson, Iva, ss-G ....American Fork
Carr, William C., e-S ....Auckland, New Zealand
Carrigan, William J., a-S ....Peterson
Carroll, Charles T., G ....Provo
Carter, Allan J., a-S ....Helper
Carter, Kenneth S., a-F ....Provo
Carter, Norval, ap-F ....Lehi
Cartwright, Aubra, e-S ....Beaver
Catmull, Ferrill B., e-F....Rupert, Ida.
Catmull, Grant L., a-So....Rupert, Ida.
Cave, Phillip W., a-F....American Fork
Cazier, Alvin A., ap-So....Ely, Nevada
Chadwick, Barratt M., a-F ....American Fork
Chadwick, Effie M., G-ss ....Yost, Utah
Chandler, Jesse S., a-S ....Thatcher, Arizona
Chappell, W. LaVon, Sp ....Lyman
Chapple, Max, c-F ....Spanish Fork
Chapman, H. Whitney, e-F ....Bluewater, New Mexico
Chase, Dorothy, e-F ....Nephi
Chatwin, Gilbert, c-So..Salt Lake City
Checketts, Norine, e-So.......Bear River
Childs, Florence M., ss ....Provo
Childs, Gilbert E., ss-Sp ....Provo
Childs, Helen, fa-F ....Bancroft, Idaho
Chipman, Paul W., a-So ....American Fork
Christensen, Arthur C., a-F..Mohrland
Christensen, Aurlene I., c-F ....Salem
Christensen, W. Blake, a-So ....Price
Christensen, Clinton H., ss ..Mayfield
Christensen, Cornell T., G ....Rexburg, Idaho
Christensen, Fern, a-F ....Richfield
Christensen, Golda A., e-So ....Manassa, Colorado
Christensen, Harold T., a-J ....Rexburg, Idaho
Christensen, Helen, ap-S ....Provo
Christensen, Ione, ss ....Redmond
Christensen, LaVon A., ss ....Salina
Christensen, Leon N., c-S ....Brigham City
Christensen, Mae, c-F ....Richfield
Christensen, Maza, fa-F ....Richfield
Christensen, Merlin G., ss ....Mt. Pleasant
Christensen, Nephi A., ss-G ....Provo
Christensen, Opal, a-J ....Redmond
Christensen, Paul D., ap-F ....American Fork
Christensen, Phil, fa-J ....Provo
Christensen, Rowena, fa-F ....Provo
Christensen, Ruby, e-So ....Lehi
Christensen, Ruth J., ss ....Provo
Christensen, Stanley W., e-So ....Salt Lake City
Christensen, Vaughn L., a-F ....Kirtland, New Mexico
Christensen, Velma L., ap-F ....Tucson, Arizona
Christianson, James W., ss-Sp ....Spanish Fork
Christianson, Louise, a-So ....Pleasant Grove
Christianson, Merle, ss ....Ibapah
Christison, Merritt R., c-F ....Nephi

Clark, Alta, ss ....Etna, Wyoming
Clarke, Bertha E., e-J..American Fork
Clark, Boyce R., a-So ....Morgan
Clark, Cecile, ap-So ....Provo
Clark, Ezra T., c-F ....Bountiful
Clark, Ernest R., ss ....Afton, Wyo.
Clark, Gean, G ....Provo
Clark, Hazel, ss ....Etna, Wyoming
Clark, Helene, G ....Springville
Clark, Harold L., c-F....Pleasant Grove
Clark, Helen, fa-F ....Milford
Clark, James R., e-F ....Grantsville
Clark, Lucius, ss-G ....Idaho Falls, Ida.
Clark, Mary, fa-J ....Ogden
Clark, Richard H., c-F ....Provo
Clark, Riley G., Sp ....Provo
Clark, Ruth, e-J ....Parowan
Clark, Sibyl, e-So ....Grantsville
Clarke, Thomas P., ss-a-S ....Tolaga Bay, New Zealand
Clark, Verla, ss ....Idaho Falls, Ida.
Clark, Walter J., a-F ....Berkley, Calif.
Clark, H. Winona, fa-F ....Provo
Clayson, Jen J., ss ....Spanish Fork
Clayson, Joseph H., a-F ....Am. Fork
Clayton, Dorothy V., ap-J ....Provo
Clegg, Fred W., a-J ....Provo
Clegg, Lowell F., a-F ....Provo
Clegg, Theron J., c-F ....Blackfoot, Ida.
Cloward, R. Dell, e-F ....Monroe
Cluff, Emma V., Sp ....Provo
Coburn, Oscar V., ss ....Ogden
Cochran, Paul, a-J ....Provo
Coffin, Carma, e-So....St. Anthony, Ida.
Coffman, W. Elmo, G ....Springville
Coleman, Maud T., fa-F ....Midway
Collard, Rea Z., a-F ....Provo
Collett, Farrell R., G-ss ....Montpelier, Idaho
Collier, Vernon, ss-fa-F ....Vernal
Collins, Don, a-So ....Provo
Colton, Bernice, c-F ....Provo
Colton, Chas. Henry, ss ....Vernal
Colton, Lorna, a-F ....Provo
Colton, Lulu, c-F ....Roosevelt
Colton, Ruth, c-F ....Roosevelt
Colvin, Harold A., G ....Provo
Colvin, Nellie, e-S ....Salt Lake City
Comer, Nola M., c-F ....Lehi
Comish, Alison, e-S ....Eugene, Oregon
Condon, David, G ....Provo
Conder, Vera H., e-S ....Provo
Condie, Lenore a-F ....Springville
Condie, LeRoy, e-S ....St. George
Condie, Marguerite S., a-J ....Provo
Condie, Vernon C., ap-S ....Springville
Connell, William, ss-Sp ....Provo
Conover, S. Elizabeth, ap-S ....Provo
Conover, Hattie H., Sp ....Provo
Cook, Carl, Sp ....Provo
Cook, Freda, fa-F ....Provo
Cook, Helen, fa-S ....Paris, Idaho
Cook, LaBerle, ap-F ....Vernal
Cook, Kermit, c-F ....Fountain Green
Cook, Wayne F., a-F....Salt Lake City
Cook, Zelpha, ap-So ....Vernal
Coombs, Dora, e-J ....Fairview
Coombs, Esther, G ....Fairview
Coombs, Mark V., ss ....Logan
Coombs, Retta, e-S ....Cardston, Alta., Canada
Coon, Clifton J., e-F ....Glenn's Ferry, Idaho
Coons, Anna Dee, e-F ....Richfield
Cooper, Marjorie, fa-F ....Murray
Cooper, Sherman, ss....Washington, Ut.
Cooper, Wesley M., a-F..Overton, Nev.
Cope, Melba L., fa-F ....Richfield
Cordner, Reva, c-So ....Provo
Cornaby, Afton, c-F ......Spanish Fork
Cottam, Earl B., ap-S ....Provo
Cottam, Ramona F., ss ....Provo
Cottam, Rulon, e-S ....St. George
Cowan, R. Thomas, a-F ....Nephi
Cowley, Edwin J., ss-Sp ....Salt Lake City
Cowley, Virgia M., ss ....Ephraim
Cowley, Wayne A., G ....Venice
Cox, C. Dee, fa-J ......Blackfoot, Idaho
Cox, Nellie, a-J ....St. George
Cox, Ruby, e-So ....Provo
Cox, William A., G ....Provo
Crafts, Mary E., G ....Deseret
Cragun, Oralie K., G ....Smithfield
Cragun, Rumel, c-F ....Pleasant Grove
Crandall, Lars G., c-F ....Provo
Crandall, Sterling M., c-F..Springville
Crandall, Wanda, fa-F ....Peoa
Crane, Brig, c-So ....Riverton
Crane, Joseph W., fa-J ....Salina
Crane, Norma, c-F ....Provo
Crane, Reed, c-J ....Herriman
Crane, Ruth L., a-So ....Provo
Crawford, George L., ap-F ....American Fork
Crawley, Margaret, c-F ....Provo
Creer, Wm. Edward, a-S ....Spanish Fork
Croft, Merrill W., a-So ....Provo
Croft, Reginold B., a-F ....Lovell, Wyo.
Croft, Roma R., e-So ......Lovell, Wyo.
Crookston, Earl, a-J ....American Fork
Cropper, Ladd, fa-So ....Delta
Cropper, Sebrina, a-So ....Delta
Cropper, Wayne, e-J ....Deseret
Crosby, Lena, c-Un ....Provo
Crosby, Vivian, c-Un ....Provo
Crowther, R. Eldon, G ....Provo
Crowther, Nelda B., ap-J ....Provo
Cruser, Charles M., ss ....St. Anthony, Idaho
Cullimore, Odessa A., a-J ....Provo
Culmsee, Edna B., G ....Provo
Cummings, Leona, ss ....Brigham City
Cummings, Richard F., a-F ....Provo
Cummings, Sarah B., Sp ....Provo
Curtis, Lillian R., ss ....Salem
Curtis, Richard, a-F....Idaho Falls, Ida.

Cutler, Betty, ap-S ......Salt Lake City
Dahl, Marvin J., ap-F ....Midvale
Dahle, William C., c-F....Spanish Fork
Dahlquist, Mary, a-J-ss ....Provo
Dalton, Margaret, fa-F ....Sandy
Dame, Bonnie, c-So ....Fillmore
Dana, Naomi, ss ....Mesa, Arizona
Dangerfield, M. Grace, ss-G ....Provo
Dangerfield, Harold D., a-J ....Provo
Dase, Sam C., fa-F ....Las Vegas, Nev.
Dastrup, Dona, ss-e-F....Thatcher, Ariz.
Davies, Edward E., ap-S ....Provo
Davies, Jack T., Sp ....Provo
Davies, Ray S., fa-So ....Provo
Davis, Ariel R., a-So ....Provo
Davis, Katherine, e-So ....Provo
Davis, Nathan L., a-F ....Provo
Davis, Ross B., c-So ......Spanish Fork
Davis, Warda, e-F ....Preston, Idaho
Day, Leo D., c-F ....Oasis
Day, Neil J., e-F ....Idaho Falls, Ida.
Dean, Ernest H., ap-So ....American Fork
Dean, Harry A., ss-G ....Provo
Dean, John O., ap-J......American Fork
Dean, Joseph M., fa-F ....Heber City
Decker, Alma V., G ....Provo
Decker, Glenaveve, a-So ....Snowflake, Arizona
Decker, James B., a-S ....Kirtland, New Mexico
Decker, Webster, a-F ....Kirtland, New Mexico
DeGraff, Dale C., fa-F ....Heber City
DeGraff, Elaine, fa-So ....Heber City
DeJong, Rosabelle, ss-Sp ....Provo
DeLange, Talmage Y., ss-e-S ....Koosharem
DeLoney, Wilma J., fa-F ....Jackson, Wyoming
Despain, Dale I., a-So ......Lovell, Wyo.
Despain, Joseph W., a-F ....Sandy
Dewsnup, Winona, e-J ....Deseret
Dickson, Donald F., c-F....Rupert, Ida.
Dickson, Ned B., ap-So....Cowley, Wyo.
Dickson, Newell D., ap-F ....Cowley, Wyoming
Dillman, Isabelle, e-F ....Vernal
Dimick, Cecil I., ss-ap-So....Mohrland
Dimick, Dan R., G ....Nampa, Idaho
Dimick, Mildred Housley, e-S ....St. Anthony, Idaho
Dimond, C. Lloyd, fa-F ....Midvale
Dix, DeVaun, e-So ....Provo
Dix, Mary E., ss ....Provo
Dixon, Allie, ss ....Provo
Dixon, Amy L., c-F ....Provo
Dixon, Edith, ap-F ....Provo
Dixon, Electa S., Sp ....Provo
Dixon, Harry, c-So ....Provo
Dixon, Helen, ap-F ....Provo
Dixon, Howard B., a-So ....Provo
Dixon, Lucile K., Sp ....Provo
Dixon, Maurine, ss-ap-J ....Provo
Dixon, Mildred, c-S ....Provo
Dixon, Ralph, a-F ....Provo
Dixon, Ronald, c-F ....Provo
Dixon, Ruth, c-Un ....Salt Lake City
Dixon, Stella, ap-F ....Provo
Domina, John C., a-J ....Aberdeen, Ida.
Done, W. Edwin, a-J....Salt Lake City
Done, Otto, e-So ....Tucson, Arizona
Downs, Elvin, ap-So ....Provo
Draper, Everett C., ss....Salt Lake City
Draper, Leona, ss ....Ogden
Draper, Stella J., Sp ....Provo
Driggs, Norval A., c-F..Pleasant Grove
Dudley, Lyndon L., e-J..Spanish Fork
Dudley, Lynne H., a-F ....Jensen
Dudley, Marian, c-F ....Randlett
Duersch, Mary, e-F ....Driggs, Idaho
Duffin, Marion F., ap-F ....Aberdeen, Idaho
Duke, Alma H., a-F ....Heber City
Duke, Harold, ss-G ....Heber City
Duke, Kenneth L., a-So ....Heber City
Duke, Lela, e-So ....Provo
Duke, Marden, a-F ....Heber City
Duke, Merrill Y., a-F ....Provo
Duke, Morris E., a-So ....Provo
Duncan, Ione, ss-G ....Salt Lake City
Dunford, Rae B., ss....Georgetown, Ida.
Dunn, Edgar H., e-F....Manassa, Colo.
Dunn, Ina, e-F ....Manassa, Colo.
Dunkley, LeGrand J., ap-So ....Whitney, Idaho
Durrant, James B., e-F ....American Fork
Durrant, Rubye B., ss-ap-S ....Provo
Durrant, J. Russell, c-F ....Provo
Earl, A LaVon, a-J....American Fork
Eastmond, Elbert John, ss-a-F....Provo
Eastmond, Jean E., fa-F ....Salt Lake City
Eastmond, Thomas H., a-So ....Provo
Eaton, Roma, c-F ....Vernal
Eberhard, Ernest Jr., e-J....Melba, Ida.
Edgley, Farris L., fa-J..Pocatello, Ida.
Edmunds, Olive, fa-S ......Chicago, Ill.
Edwards, Clara, ap-J ....Charleston
Edwards, James E., ap-F ....Lehi
Edwards, Luther A., ap-F ....Ferron
Egbert, Anna R., G-ss-G........Lewiston
Eggertsen, Geraldine, fa-F..Springville
Eggertsen, Mrs. L. E., Sp ....Provo
Eggertson, Simon P., G ....Provo
Eitel, Leona L., fa-F....Salt Lake City
Ekins, Virginia L., fa-J ....Provo
Ekloff, Genevieve S., ss ....Eureka
Ellett, Robert, ap-F ....Spanish Fork
Elliott, M. Vilate, ss-Sp ....Provo
Ellis, D. Merrill, a-F ....Wellington
Ellsworth, Edna, a-So..Lewisville, Ida.
Ellsworth, Genevieve, ss ....Payson
Ellsworth, Helene W., Sp ....Provo
Ellsworth, Marjorie, ap-S ....Lewisville, Idaho
Ellsworth, Russell S., a-F ....Denver, Colo.
Elmer, E. Leon, e-F ....Payson

Empey, Phillip H., a-F ....Ogden
Ennis, Marguerite, e-F....Eagar, Ariz.
Ercanbrack, Julia, Sp ....Provo
Erickson, Arval, c-J ....Rexburg, Idaho
Erickson, LaRue, a-F ....Provo
Erickson, J. Margaret, ss ....Murray
Ericksen, Ralph A., fa-S..Mt. Pleasant
Erickson, William S., ss ....Lewisville, Idaho
Eskelson, David W., ss ....Devil's Slide
Eskelson, DeVan O., c-F ....Kamas
Evans, Bud, a-So ....Spanish Fork
Evans, Edmund E., G-ss-G ......Payson
Evans, Edmund M., e-F ....Salt Lake City
Evans, Howard C., c-So ....Lehi
Evans, Jayne A., fa-S....Spanish Fork
Evans, Jennings D., c-So ....Spanish Fork
Evans, Martha, Sp ....Provo
Evans, Oakley S., c-J ....Anaconda, Montana
Evans, Orville Lee, c-So....Lake Shore
Evans, Ruth, c-So ....Raymond, Idaho
Eyring, Fern C., ss ....Provo

Fahring, Ray L., c-J ....Helper
Fairbanks, Fern S., fa-F ....Caldwell, Idaho
Fairbanks, Thera, c-F....Salt Lake City
Farnes, June, fa-F ....Twin Bridges, Montana
Farnsworth, Delin, Sp-ss....Circleville
Farnsworth, Emma, fa-Un ....Salt Lake City
Farnsworth, Hatch, c-F ....Provo
Farrar, Helen A., e-So ....Sandy
Farrell, Helen, ss ....Butte, Montana
Farnworth, Viola, ss ....Provo
Faucette, Kenneth G., ap-F ....Sanford, Colorado
Faucette, Reese E., a-So ....Sanford, Colorado
Fautin, Reed W., a-So ....Provo
Favero, J. Dewey, ss-e-J ....Hooper
Feast, Howard F., a-J....Center, Colo.
Fechser, Clyde I., G-ss-Sp ....Provo
Fechser, Estella, ap-J ....Moroni
Fechser, Ida, fa-F ....Provo
Fielding, Hazel L., c-J....Shelley, Ida.
Fillmore, Belle, e-J ....Richfield
Fillmore, Winston J., a-F ....Richfield
Finch, Henry, c-J ....Spanish Fork
Finch, Ray H., ap-F ......Spanish Fork
Finch, Shirley, ss ....Goshen
Finlayson, Lela, e-So ....Provo
Firmage, Edwin R., c-So ....Provo
Firmage, William R., c-F ....Provo
Firmage, William K., c-J ....Spanish Fork
Fish, Joseph S., ss-G ....Lovell, Wyo.
Fish, Lalovi, a-F ......Snowflake, Ariz.
Fish, Margaret, G ....Snowflake, Ariz.
Fisher, Asael H., ss-Sp ....Provo
Fisher, Flora D., ss-Sp ....Provo
Fisher, J. Dean, G ....Provo
Fischer, Wilford A., a-F ....Sacramento, California
Fitzgerald, Annie, ss ....Draper
Fitzgerald, Harold J., G ....Draper
Fitzgerald, Heber A., ss-G ....Lehi
Fitzgerald, Myrtle K., ss ....Lehi
Fitzgerald, Sarah, ap-F ....Draper
Fletcher, Clele J., c-F ......Springville
Folster, Maxine E., ap-F ....Moab
Ford, Velma, c-F ....Wallsburg
Fordham, Alton, a-J ....St. George
Forsyth, F. Howard, e-J ....Cardston, Alta. Canada
Fortie, Jowett A., ss ....Mt. Emmons
Foster, Francis, c-J ....American Fork
Foulger, Walt E., fa-J ....Ogden
Foutz, Russell, c-So ....Fruitland, New Mexico
Fowlke, LeGrande, ap-F ....Pleasant Grove
Fowler, Melva I., G-ss....Reno, Nevada
Frandsen, Ernest, G-ss-Sp ....Provo
Frandsen, Richard E., a-F ....Provo
Frandsen, Calvin E., e-So ....Redmond
Francom, Paul, a-F ....Levan
Franson, Everett, fa-F ....Oakley
Frazier, Verness W., e-J ....Oakley
Freestone, Norman W., fa-J ....Mesa, Arizona
Freestone, Victor J., a-F ....Los Angeles, California
Friel, Gloria, fa-So ....Springville
Frost, Clyde M., a-S ....Coalville
Frost, T. Leland, e-S ....Ephraim
Fugal, Genevieve, e-S....Pleasant Grove
Fugal, Neil, a-J ....Pleasant Grove
Fujiwara, Takeo, G-ss-G ....Sapporo, Japan
Fullmer, Bert L., ap-J ....Springville
Furlong, Arlo L., G-ss ....Cedar City

Gadd, Harold, c-Un ....Nephi
Gamett, LaVell C., ap-J ....Pleasant Grove
Gamett, Wayne A., ap-F ....Pleasant Grove
Gardner, Beatrice T., ss ....Afton, Wyo.
Gardner, Fawn G., e-F ....Neola
Gardner, Fern, c-F ....Provo
Gardner, Lincoln B., e-F..Afton, Wyo.
Gardner, Marguerite, e-So ....Spanish Fork
Gardner, May, c-F ....Delta
Gardner, Merline, fa-F ....American Fork
Gardner, E. Ray, G-ss-Sp ....American Fork
Gardner, Ivin E., ss ....Salem
Gardner, Russell M., ss ....Levan
Gardner, Wallace, c-So....Spanish Fork
Gardiner, F. G., ss ....Panguitch
Gardiner, Thelma, G-ss ....Panguitch
Garner, Afton E., c-F ....Rupert, Ida.
Garner, Hazel A., ap-Un ....Provo

Geary, Charles C., G-ss ....Morgan
Geary, Elmo G., c-J ....Huntington
Gee, Ivin S., ss ....Rexburg, Idaho
Gee, Lynn L., ss-a-J ....Pocatello, Idaho
Gee, Pearl S., ss ....Rexburg, Idaho
Gee, Zenna, c-So ....Burley, Idaho
Geertsen, O. Norman, G ....Ogden
George, Leslie R., a-F ....Bluewater, New Mexico
Geslison, Byron T., a-So..Spanish Fork
Gessford, Elizabeth A., Sp ....Provo
Gessford, Marguerite F., Sp ......Provo
Gibb, Jack R., e-So....Portland, Oregon
Gibbons, Leona, a-J ....St. Johns, Ariz.
Giddings, Ruthe, a-So..American Fork
Gilchrist, Elma V., G-ss ....Provo
Gilchrist, Georgia E., c-F ....Provo
Giles, Clara, Sp ....Provo
Giles, Earl, e-F ....Heber City
Giles, Fred N., ap-So ....Provo
Gillespie, George S., c-J ....Tooele
Gillies, Gaylord, a-F ....Provo
Gines, Erma, ss ....Roosevelt
Gines, Ned L., fa-F ....Roosevelt
Gledhill, Preston, a-F ....Richfield
Goates, Rose, Sp ....Provo
Goetzman, Gene E., ap-So ....Price
Goodman, Billie, ss-fa-So ....Provo
Goodrich, Floyd C., a-F ....Bluebell
Goodrich, Ruth, e-So ....Vernal
Goold, R. Franklin, G-ss ....Provo
Gordon, Glen H., c-J....American Fork
Gourley, George, e-So-ss ....Pleasant Grove
Gourley, Lee M., e-F ....Pleasant Grove
Gourley, Maurine, e-J..Pleasant Grove
Gourley, David, ss-G ....Pleasant Grove
Gourley, Gertrude D., ss-G ....Pleasant Grove
Graff, Marvin H., e-J ......Santa Clara
Graff, Sylvan, e-S ....Santa Clara
Graham, Ellis R., G ....Fairview
Green, Forace G., a-So ....Sandy
Green, Ida G., ss ....Salt Lake City
Green, Leola D., e-So ......Boise, Idaho
Green, Maud, e-So ....Boise, Idaho
Greenhalgh, Rex L., a-F ....Santaquin
Greenwood, Donald B., a-F ....Sandy
Greenwood, Lois, e-J....American Fork
Greer, Faun, e-J ....Provo
Greer, Faye, ss-e-F ....Provo
Greer, Grant, a-J ....Wallsburg
Griffin, Charles L., ss ....Escalante
Griffith, Dorothy, e-F ....Lake Point
Griffith, Melvin, e-S ....Lake Point
Grimes, A. Milton, ap-F ....Provo
Grimmitt, Arch T., G-ss ....Menan, Ida.
Grimmett, Francis B., c-F ....Moreland, Idaho
Grimmett, Marilla G., ss....Menan, Ida.
Grimmette, Richard, e-F ....Moreland, Idaho
Groberg, LeRoy B., G-ss ....Bicknell
Groesbeck, Lue S., e-So ....American, Fork
Groneman, Orvilla B., Sp ....Provo
Grotegut, LaMar, e-J ....Spanish Fork
Grow, Katherine J., a-S ....Cardston, Alta, Canada
Grow, Mary L., Sp ....Cardston, Alta, Canada
Grow, David S., c-S ....Cardston, Alta, Canada
Grow, Stewart L., c-J ....Cardston, Alta, Canada
Grua, Suzanna M., ss....Pleasant Grove
Gudmundson, J. Keith, c-So ....Springville
Gunn, Stanley R., G-ss ....Beaver
Gunnell, Gerald, a-F ....Grace, Idaho
Gunnell, Halden P., a-F....Grace, Idaho
Gunther, Eva, ss ....Lehi
Gunther, Orville C., a-Un ....Lehi
Guptill, Marion S., e-So ......Smithfield
Gurney, Francis J., G-ss ....Ephraim

Hacking, Berniece, e-So ..Cedar Valley
Hacking, Junius P., c-F ....Vernal
Hacking, Leo E., c-F ....Vernal
Hacking, Mary H., c-F ....Vernal
Hacking, Reed, c-Un ....Provo
Hadley, Lloyd T., ss-G ....Ogden
Hagan, Theresa, fa-F ....Spanish Fork
Hale, Nathan, e-F ....Blackfoot, Idaho
Hale, Pearl V., ss ....McCammon, Ida.
Hales, Belle W., ss ....Provo
Hales, Mima, ss ....Spanish Fork
Hall, Ansel, a-F ....Eagar, Arizona
Hall, Clarisse H., ss ....Ogden
Hall, Maurice B., a-F ....Santaquin
Hallam, Marie, e-F ....Spanish Fork
Halladay, W. Meeks, fa-F ....Circleville
Halliday, Naomi E., ss-ap-J ....American Fork
Halling, Lee J., a-F ....Salt Lake City
Hamblin, Lawson O., a-J ....Phoenix, Arizona
Hamilton, Don P., a-F ....Sugar City, Idaho
Hammond, Ethel, fa-Un ....Monticello
Hammond, Helen, a-F ....Monticello
Hammond, W. Kay, a-So ....Moab
Hammond, May C., ss-Sp ....Provo
Hammond, Maxine, ss ....Ashton, Ida.
Hammond, Merrill C., a-S ....Provo
Hammond, Roy B., a-So ....Provo
Hanks, Chas. Lynn, Sp ....Salem
Hanks, E. Wayne, c-J ....Tooele
Hansen, Alene, a-F ....Monticello
Hansen, Alma W., a-F ....Ogden
Hanson, Barbara, ss ....Rexburg, Idaho
Hansen, Basil C., G ....Lehi
Hansen, Caroline A., ss-Sp ....Provo
Hansen, Christella, e-F ....Boulder
Hansen, Edward L., ss ....Coalville
Hansen, Elda, Sp ....Richfield
Hansen, Elfie M., e-So ....Lehi
Hansen, Floy, e-S ....Richfield
Hansen, Glenn W., a-J ....Richfield
Hansen, Harold J., ss ....Rains

Hansen, Ilda O., c-Un ....Los Angeles, California
Hanson, Leda P., ap-Un ....Pleasant Grove
Hanson, Lester, Sp ....Provo
Hansen, Margaret H., G ....Provo
Hanson, Neva, e-So ....Provo
Hansen, Phil H., a-J ....Richfield
Hansen, Rex S., a-F ....Fairview
Hansen, Robert E., c-So ....Provo
Hansen, Ruby, ss-e-So ....Vernal
Hansen, Theresa M., c-F ....Provo
Hansen, Virgil, c-F ....Emery
Hanson, Wm. F., ss-Sp ....Provo
Hansen, Wyroa, ss ....Spring City
Hanson, Zula, e-J ....Bear River City
Hardy, D. Elmo, a-F ....Spanish Fork
Harding, Eldon A., ss-e-J ....Provo
Harding, Frank E., c-F ....Payson
Harding, Marion E., c-Un ....Provo
Harding, Phebe E., ss ....Logan
Harding, Zella, c-F ....Provo
Hardman, Anna M., e-F ....Myton
Hardman, Minnie L., e-F ....Myton
Harmer, Dorothy, a-F ....Springville
Harmer, Elizabeth, c-So ....Springville
Harper, Laurel, ap-F ....Sacramento, California
Harper, R. Weston, e-F ....Oakley, Ida.
Harris, Alvin, ss ....Portage
Harris, M. Anna, Sp ....Provo
Harris, Arlene, G ....Provo
Harris, Carl J., G-ss-G ....Provo
Harris, Chauncy D., G ....Provo
Harris, Elna M., a-S ....Ogden
Harris, F. Estella, Sp ....Provo
Harris, Gwendolyn N., c-F..Boise, Ida.
Harris, Helen, ap-F ....Provo
Harris, Madge, ss-ap-J ....Payson
Harris, Maureen, c-So ....Boise, Idaho
Harris, Richard P., G ....Provo
Harris, Wayne, e-S ....Portage
Harrison, Bertrand F., G ....Provo
Harrison, Brigham H., e-Un ....Manassa, Colorado
Harrison, Edith, Sp ....Provo
Harrison, Everett L., c-F ....Roosevelt
Harrison, Jean, Sp ....Provo
Harrison, Lorna J., G ....Provo
Harrison, Maurine, e-So ....Provo
Harrison, Walter F., ss ....Heber City
Harston, Clarence B., ap-So ....Cowley, Wyoming
Harston, Miles B., ap-F ....Cowley, Wyoming
Hart, V. Blaine, a-F ....Salt Lake City
Hart, Chas. Jas., G ....Provo
Hart, Clarice H., ap-S ....Provo
Hart, R. Kay, c-J ....Salt Lake City
Haslam, William H., c-S ....Lewiston
Hasler, J. William, a-J ....Provo
Hasting, Emmeline, fa-So ....Mesa, Arizona
Hatch, Bradford, ap-J ....Provo
Hatch, Harmon R., fa-J..Spanish Fork
Hatch, Keith R., Sp ....Spanish Fork
Hatch, Leah A., ss ....Salt Lake City
Hatch, Lila, ss ....Provo
Hatch, Norma, Sp ....Provo
Hawke, Don W., ap-F ....Provo
Hawkes, F. Pratt, Sp ....Preston, Idaho
Hawley, Eldon B., a-F ....Oasis
Hawley, Ruth, e-F ....Roosevelt
Haws, Bill, a-J ....Provo
Haws, Lois, ap-F ....Provo
Haws, Lucille, e-So ....Provo
Haycock, Wm. Dwight, a-F..Benjamin
Hayes, Floyd E., a-F ....Salt Lake City
Hayes, Lottie H., ss-G ....Provo
Hayes, Rex E., a-Un ....Provo
Hayes, Sheldon P., ss-a-S ....Provo
Haynie, Irene, ap-S ....Salt Lake City
Hayward, D. Willard, c-F..Rupert, Ida.
Heal, Stanley H., c-F ....Provo
Healy, Carson R., fa-F ....Magna
Henderson, Yvonne, fa-F ....Provo
Heninger, Van Eliot, ss ....Ogden
Heslington, Melbourne, ss ....Milford
Hetrick, Helen L., a-So....Dayton, Ohio
Hettig, T. David, ss-G ....Tonga Islands
Hiatt, Maron R., a-F ....Heber City
Hiatt, Mertie H., ss-Sp ....Provo
Hibbert, Dave D., ss-c-So....Mesa, Ariz.
Hicken, Nelda, fa-F ....Heber City
Hicken, Roy P., ap-F ....Heber City
Hickman, L. Ione, ap-So ....Garfield
Higgs, Alice M., Sp ....Provo
Higgins, Ronald G., c-F ....Provo
Hill, Clarence A., fa-F ....Salem
Hilton, Arda, ap-F ....Hinckley
Hilton, Helen, e-So ....Hinckley
Hinckley, Cloid, a-J ....Rexburg, Idaho
Hirst, W. Harold, a-F ....Provo
Hodson, Afton, e-So ....Provo
Hodson, Marva, G-ss ....Provo
Hodson, Rosemary, e-F ....Provo
Hodson, Waldo G., G ....Provo
Hoffman, Ida J., c-So ....Springville
Holbrook, Elizabeth, fa-So ....Provo
Holdaway, Alene, e-S ....Provo
Holdaway, Lyle, c-F ....Provo
Holdaway, Marjorie, ss ....Pleasant Grove
Holfert, Alfred R., a-F ....Provo
Holland, Edward D., a-Un ....Cardston, Alta, Canada
Holley, Wayne D., fa-So ....Mapleton
Holley, Uda R., ap-J ....Mapleton
Holindrake, George M., a-So ....American Fork
Holindrake, Vernon, ap-So ....American Fork
Holman, Vance M., a-So ....American Fork
Holt, Lois, e-J ....Thornton, Idaho
Hone, Velda, fa-F ....Provo
Hooks, Bertha, G ....Provo
Hooks, Gladys, a-S ....Provo
Horne, John H., a-F ....Mesa, Arizona
Hougaard, Georgia, ap-S ....Manti

Huntsman, Ralph, G-ss ....Bunkerville, Nevada
Hurst, Henry, a-So ....Blanding
Hutchinson, Grant A., ap-J ....Salt Lake City
Hutchinson, J. Marvell, c-J ....Salt Lake City
Hutchings, Harold C., a-F ....Lehi
Hutchings, Loman F., a-S....Springville
Hutchings, Rowena, e-S ....Springville
Hutchings, Theron B., G ....Midvale

Ingersoll, M. Leigh, ap-J ....American Fork
Ingersoll, Rex M., ap-J ....American Fork
Ipson, Nello P., c-S ....Panguitch
Irwin, George W., a-So ....Raymond, Washington
Iverson, Martin H., e-J ....Washington, Utah
Iverson, Myrtle M., a-Sp ....Provo
Ivins, Bertha H., ss-ap-Sp ....Provo
Ivins, Fawn, G-ss ....Lund, Nevada

Jackman, Golden L., ss-fa-Sp ....Salem
Jackson, Ellen, e-J ....Provo
Jackson, Elvon G., c-So ....Provo
Jackson, Joseph R., fa-Sp ....Provo
Jackson, Josephine, fa-F ....Manassa, Colorado
Hougaard, Virginia, ap-S ....Manti
Houston, Alice, a-J ....Lovell, Wyo.
Houston, Irene, fa-So ....Panguitch
Houston, James E., a-F ....Provo
Houston, LaVonne, Sp ....Provo
Houtz, Mozelle, e-F ....Springville
Howard, Allan, ap-F ....Huntington
Howe, William S., a-Sp ....Provo
Hoyt, Helen Grace, Sp ....Eugene, Ore.
Huber, Clara E., ss ....Midway
Huckins, Alice E., ap-So ....Provo
Hudson, Roy T., a-F ....Provo
Huff, Mary P., ss-e-Sp ....Provo
Huff, Nell, ss ....Spanish Fork
Huffaker, Marshall E., c-J ....Murray
Huffaker, Ruth E., e-J ....Murray
Hughes, John M., c-J ....Provo
Hughes, Joseph W., a-J..Spanish Fork
Hughes, Preston G., ss-a-S ....Spanish Fork
Huish, Daryl E., fa-J ....Provo
Huish, Helen, ap-F ....Provo
Hullinger, Orvel M., fa-F ....Lapoint
Hullinger, Roland H., e-F ....Lapoint
Humphrey, Alice, fa-F ....Logan
Hundley, Annie L., c-So ....Provo
Hunn, Dorothy, e-J ....Provo
Hunn, Mrs. J. B. a-Sp ....Provo
Hunt, Paul, a-Un ....Buhl, Idaho
Hunter, James R., e-S ....Ogden
Huntington, Mae, G-ss ....Springville
Huntington, Preston M., ss ....Orangeville
Huntington, Roy L., a-F....Charlestown
Jackson, Vera, G ....Provo
Jacob, Gladys E., fa-Sp ....Provo
Jacob, Maude B., G-ss ....Provo
Jacob, Milton E., a-F ....Provo
Jacob, Norman A., a-F ....Provo
Jacobs, Emma, ss-Sp ....Roy
Jacobs, Helen M., a-F ....Provo
Jacobs, T. Leo, ss ....Tooele
Jacobs, J. Smith, G ....Provo
Jacobsen, Max C., a-F ....Provo
Jacobson, Rilla, c-Un ....Provo
Jameson, Karl M., c-J ....Price
Janson, Dorothy, c-So ....Provo
Janssen, Helen, ap-F ....Murray
Jarvies, J. LaMonte, Sp ....Manassa, Colorado
Jarvis, Eve Marie, e-F ....Smithfield
Jay, Emma H., ss ....Ogden
Jeffrey, Iliff C., c-So ....Delta
Jenkins, Edna May, e-J ....Montebello, California
Jenkins, W. Clayton, ss-G ....Provo
Jenkins, Loskiel W., a-F ....Nephi
Jenkins, Louise, ss ....Provo
Jenkins, Ray L., c-S ....Springville
Jennings, Frances I., a-S ....Ephraim
Jense, Myron, a-F ....Pleasant Grove
Jensen, Ana M., e-J ....Ephraim
Jensen, Beatrice L., e-J ....Salt Lake City
Jensen, Bradford A., ss ....Castle Dale
Jensen, Cannon H., a-F ....Provo
Jensen, Cathryn T., ss ....Cedar City
Jensen, L. Cecelia, a-F ....Sacramento, California
Jensen, Edna, e-So ....Manassa, Colo.
Jensen, Eleanor, e-F ....Monroe
Jensen, Ernest, a-So ....Goshen
Jensen, Faun, c-F ....Monticello
Jensen, Gilman J., c-J ....Richfield
Jensen, Henry, a-F ....Riverton
Jensen, James G., ap-So..Preston, Nev.
Jensen, James S., ss ....Mt. Pleasant
Jensen, Mamie E., ap-J ....Provo
Jensen, Marie, e-F ....Idaho Falls, Ida.
Jensen, Marvin, ss ....Cedar City
Jensen, Mary, G-ss-Sp ....Ogden
Jensen, Maxine, e-F....Manassa, Colo.
Jensen, Melba, ap-F ....Richfield
Jensen, Paul E., e-F ....Ephraim
Jenson, Ralph W., a-J ....Ogden
Jensen, Vernon H., Sp..Salt Lake City
Jensen, Verda L., a-Un ....Lewiston
Jensen, Walter, a-Sp ....Provo
Jeppesen, Geraldine, ss ....Provo
Jeppesen, Rhodes, G ....Provo
Jesperson, Marzelle, fa-F ....Tucson, Arizona
Johanson, Alva J., G ....Provo
Johanson, Verl E., ss ....Mt. Pleasant
Johns, Blair G., a-So ....Spanish Fork
Johns, Emery F., ss ....Tooele
Johnson, Allen W., a-F ....Gunnison
Johnson, Blaine H., fa-F..Spanish Fork
Johnson, Claire W., G-ss ....Springville

Johnson, O. Clifton, c-Un ....Salt Lake City
Johnson, Delbert C., c-F ....Provo
Johnson, Donald, a-F ....Mapleton
Johnson, Donna Lee, ap-F ....Hazelton, Idaho
Johnson, D. Elmer, a-S ....Provo
Johnson, Enola, e-F ....Riverdale
Johnson, Fay, ap-S ....Provo
Johnson, Glen B., ap-J ....Richfield
Johnson, Glenn, ap-F ....Provo
Johnson, Goulding, a-So....Lovell, Wyo.
Johnson, Grace W., ss....Salt Lake City
Johnson, Guy A., ss-e-Sp ....Payson
Johnson, Helen, e-F ....Huntington
Johnson, Howard D., a-J ....Logan
Johnson, Ina G., ss-e-Sp ....Provo
Johnson, Jessie, c-F ....Provo
Johnson, Jessie Mae, ss ....Rupert, Ida.
Johnson, Joe F., e-J ....Murray
Johnson, Joseph R., c-Sp ....American Fork
Johnson, Josephine, a-So ....Provo
Johnson, Josephine B., a-Sp ....Provo
Johnson, LaVell F., ss-fa-Sp ....Fountain Green
Johnson, Mrs. L. F., ss ....Neola
Johnson, Loren D., e-F ....Burlington, Wyoming
Johnson, Lowell L., ap-S ....Provo
Johnson, Malcolm R., a-F ....Terry, Montana
Johnson, Marjorie, ss ....Provo
Johnson, Minerva, ss ....Springville
Johnson, Morris R., ss-fa-S ....Provo
Johnson, Neva, e-So ....Orangeville
Johnson, Pearl, ss ....Hyrum
Johnson, R. Sherwin, a-F ....Pleasant Grove
Johnson, Theodore A., a-So..Park City
Johnson, Valore R., c-So ....LaJara, Colorado
Johnson, Vearl S., G-ss ....Provo
Johnson, Vola, G-ss......Pleasant Grove
Johnson, Wanda, ap-F ....Vernal
Johnson, G. Weston, a-F ....Provo
Johnson, William H., G-ss ....Morgan
Johnson, Wyla J., a-So ....Provo
Johnson, Wendell P., a-F ....Vernal
Johnston, A. Eugene, e-F ....Oakland, California
Johnston, Irene, e-J ....American Fork
Jolley, Christine B., a-Sp ....Provo
Jolley, J. Orlando, a-Sp ....Provo
Jolley, Udell, a-So ....Provo
Jones, Archie G., c-Sp ....Provo
Jones, Blanche B., ss-e-S ....Spanish Fork
Jones, Dale E., c-J ....Provo
Jones, Earl S., ap-F ....Provo
Jones, Elizabeth L., fa-J ....Sanford, Colorado
Jones, Florence, c-Sp ....Spanish Fork
Jones, Ila, e-F ....Blanding
Jones, Lewis M., c-F....Salt Lake City
Jones, Lillian, ap-So ....Malad, Idaho
Jones, Mary, ss ....Wellsville
Jones, Maurice A., c-J ....Provo
Jones, Maurice E., fa-F ....Payson
Jones, V. Maurine, ap-J ....Las Vegas, New Mexico
Jones, Max W., ap-F....American Fork
Jones, Melva U., fa-So ....Provo
Jones, Patrick H., c-So ....Provo
Jones, Ronald, a-So ....Provo
Jones, J. Ross, a-F ....Spanish Fork
Jones, Rudgar E., c-J ....Flushing, New York
Jones, Rulon A., G-ss ....Cedar City
Jones, Shadrach H., ss ....Provo
Jordan, James F., ss ....Mt. Pleasant
Jordan, Lee K., c-F ....Provo
Jorgensen, Brandt D., G-ss ....Salem
Jorgensen, D. Drew, G-ss-G ....Provo
Jorgensen, Eugene G., fa-J ....Price
Jorgensen, Evert M., c-F ....Peoa
Jorgensen, V. Frank, e-S ....Fountain Green
Jorgensen, Helen V., e-F ....Price
Jorgensen, Pearl A., G ....Provo
Josie, Charles, ss-fa-Sp ....Provo
Judd, Evan A., a-F ....Burley, Idaho
Judd, Myles E., fa-J ....St. George

Kartchner, Fred D., a-So ....Provo
Kartchner, Ray W., a-J ....Provo
Kavachevich, Melvin W., c-F ....Provo
Kay, Afton J., ap-So ....Charleston
Keate, Earl N., a-F ....Richfield
Keeler, Essie R., ss ....Provo
Keeler, Joseph J., fa-Un ....Provo
Keil, Evah M., fa-F ....Murray
Kellersberger, Jack S., a-F ....Afton, Wyoming
Kelly, Ruby, e-J ....Salt Lake City
Kendall, B. Marie, c-F ....Nephi
Kennedy, Margaret J., G ....Las Vegas, New Mexico
Kenney, Flora, ap-S ....Holden
Kerr, Ethel, fa-Sp ....Provo
Kerr, James G., G-ss-G ....Idaho Falls, Idaho
Kerr, Lucie L., ss-c-Sp ......Springville
Killpack, Agnes S., e-J ....Provo
Killpack, Mae S., e-J ....Ferron
Killpack, Theron W., G ....Provo
Kimball, Doris M., ss-a-S ....Provo
Kimball, Griffith R., e-So ....Draper
Kimball, A. Noble, G-ss ......Hurricane
Kimball, C. Rodney, e-F ....Draper
Kimball, Virginia M., ap-So ......Provo
Kindred, F. Berne, c-So ....Springville
King, Alma W., G-ss ....Garland
King, Cecil M., a-F ....Provo
King, Naomi, fa-Sp ....Provo
King, Shirley W., c-Un ....Raymond, Alta, Canada
King, Stella, e-So ....Grace, Idaho
Kirk, Mable, a-Sp ....Provo
Kirk, Vernon H., c-So ....Provo

Kirkham, Avery B., ap-F ....Lehi
Kirkham, Earl K., ss....Salt Lake City
Kitchen, J. Levi, c-F ....Tridell
Kitchen, Norval T., c-F ....Provo
Kittinger, Stewart, a-F ....Lehi
Kjar, Maurine, ap-J ....Manti
Kleinman, Conrad J., ss ....Mesa, Ariz.
Kleinman, Jay A., G-ss-G....Mesa, Ariz.
Knight, Jennie B., a-Sp ....Provo
Knight, Norma, ss ....Provo
Knight, Philip, c-So ....Provo
Knight, Stanley W., ap-F ....Hinckley
Knudson, Mary M., ap-F..Brigham City
Knudsen, Ruth, e-J ....Provo
Knudson, Velva, c-So ....Provo
Kondratieff, Guennady N., fa-Un ....Provo
Kotter, Floyd, e-S ....Elsinore
Kotter, Wilma M., e-S....Brigham City
Koyle, Eldon S., ap-F ....Burley, Idaho

LaComb, Frank O., c-J ....Midvale
Lallatin, Mack M., a-J ....Soda Springs, Idaho
Lambert, Theron, ss-a-So ....Roosevelt
Lamb, John, a-F ....Provo
Laney, Esther, fa-F ....Springville
Larsen, Allen S., c-F ....Spanish Fork
Larson, Arvid D., a-F ....Cleveland
Larson, Carl L., ss-c-S ....Preston, Ida.
Larsen, Celia, G., e-F ....Provo
Larson, Doris E., e-F ....Murray
Larson, Eldon, ss....Las Vegas, Nevada
Larsen, Eugene C., ss-a-S ....Provo
Larsen, Grant F., ap-So ....Provo
Larsen, George N., a-So ....Pleasant Grove
Larsen, Linda, ss ....Washington
Larsen, Lyman G., ss ....Castle Dale
Larsen, Maud, a-Sp ....Provo
Larsen, Miriam, e-F ....Richfield
Larsen, Myrtle C., ss ....Castle Dale
Larsen, Newell D., ap-F ....Lehi
Larsen, Orville L., c-S..Pleasant Grove
Larsen, Rex B., a-S ....Provo
Larsen, Rhea, e-F ....Castle Dale
Larsen, Ronald F., a-F ....Provo
Larsen, Thelma, ss-e-J ....Castle Dale
Larsen, Vernon F., G-ss....Mt. Pleasant
Larsen, Zelda, G-ss ......American Fork
Latimer, Doreyn E., fa-So ....Salt Lake City
Law, Rondo J., c-So ....Delta
Lay, Arma, e-F ....Richfield
Leavitt, John M., c-F ....Nephi
Leavitt, Vivian, e-J ....Santa Clara
LeBaron, Phyllis C., ap-F ....Santaquin
Lee, Belva, G-ss ....Rigby, Idaho
Lee, Lawrence, Sp ....Logan
Lee, Lorine, ap-Un ....Iona, Idaho
Lee, Wilford D., ss-a-S ....Iona, Idaho
LeeMaster, Vernon J., ss-Sp ......Provo
Lemon, Floral, e-F ....Ioka
Leonard, Mary, c-F ....Farmington
Leonard, Ronald J., ss ......Huntington
LeSueur, C. Gordon, fa-F..Eagar, Ariz.
LeSueur, Oma, e-So ....Mesa, Ariz.
LeSueur, Waldo Y., a-S ....Mesa, Ariz.
Lewis, Bernell H., e-S ....Spanish Fork
Lewis, Fred A., G ....Provo
Lewis, Kenneth M., ap-Un ....Provo
Lewis, Murray R., ss ....Moroni
Lewis, Ruth, ss ....Salt Lake City
Liechty, W. Reinwald, a-F ....Provo
Lillywhite, Don C., a-S..Phoenix, Ariz.
Lindgren, Ruth B., G-ss ....Telluride, Colorado
Lindsay, Ina, a-So ....Spring Canyon
Linn, Betty L., c-F ....Provo
Little, Sadie, ss ....Moroni
Livingston, Vaughn E., e-J ....Provo
Llewellyn, L. Margaret, e-F ....Salt Lake City
Lloyd, Lillie M., ss ....Oakley, Ida.
Lloyd, Oa J., ss-Sp ....Provo
Lloyd, Wesley P., G-ss-Sp..Oakley, Ida.
Loader, Harry N., a-F..Pleasant Grove
Lohmoelder, Ruth P., G..Salt Lake City
Lott, Willard C., ap-So ....Huntington
Lott, Wreal L., G-ss-G ....Lehi
Losee, Ferron C., e-J ....Provo
Lowe, Bessie, e-So ....Pleasant Grove
Lublin, Blanche W., e-F ......Roosevelt
Ludlow, Albert T., c-J ....Benjamin
Ludlow, Lewis J., a-F ....Benjamin
Ludlow, C. Max, a-F ....Benjamin
Luke, Clinton L., ss-fa-Sp ....Idaho Falls, Idaho
Luke, Lowell M., e-J ....Menan, Ida.
Luke, Theron H., a-J ....Heber City
Lunceford, LaVerl, c-F ....Provo
Lund, Ella O., e-J ....Rigby, Idaho
Lund, Ellen B., ss-a-S ....Huntington Park, California
Lund, Leon G., ss ....Fountain Green
Lyance, Sarah B., ss ....Provo
Lyon, Aileen, fa-F ....Overton, Nev.
Lytle, John V., ss-a-So....Overton, Nev.
Lytle, Lutie, ss ....St. George

McAllister, Helen, a-So ....Huntington Park, California
McAllister, Joseph D., a-Un ....Huntington Park, California
McAllister, Martha, a-F ....Huntington Park, California
McAllister, Rhean L., ap-So ....Spanish Fork
McArthur, Iris L., a-Sp ....Provo
McBride, Orlando S., G-ss ....Thatcher, Arizona
McCoard, Donna, ap-Sp ....Provo
McConkie, Faun, G-ss ....Moab
McConkie, Ina, ss ....Moab
McCulley, Edward H., c-Sp ....Provo
McDonald, Ward C., c-S ....Provo
McDonald, Winnifred L., e-F ....Sandy
McEwan, Joe W., c-J....Salt Lake City
Macfarlane, Glenna, c-So ....Las Vegas, Nevada

Macfarlane, Mildred, e-F ....Cedar City
McFarlane, Ruby D., e-F ....Manti
McGregor, Joseph L., a-J ....Provo
McGregor, Karma, G-ss ......St. George
McGregor, Mary, ss ....St. George
McGregor, Mrs. Alma W., ss ....St. George
McGuire, James, a-J ....Provo
McGuire, John H., c-S ....Provo
McGuire, Ray, a-J ....Provo
McIntire, Floyd C., a-So ....Price
McIntire, Wayne F., e-F ....Price
McKinnon, Thelma, fa-S ....Price
McKnight, H. Neil, c-F..Moreland, Ida.
McLeod, Arthur W., c-Un ....Calgary, Alta., Canada
McNeill, Kenneth R., a-F ....Bluewater, New Mexico
McPheeters, Harry E., a-F ....Salt Lake City
McPherson, John B., a-So....Springville
McPherson, Margaret, G....Springville
McPhie, Francis J., ap-F ....Provo
McSwain, William, ss-G ....Salt Lake City
Mabey, Phyllis, ap-Sp ....Provo
Madsen, Clark C., c-S ....Springville
Madsen, Eardley B., G ....Ephraim
Madsen, Eva, c-F ....Provo
Madsen, Farrell D., G-ss-G..Fairview
Madsen, Florence J., fa-S ......Provo
Madsen, Harold, c-F ....Provo
Madsen, Neola E., e-So ....Provo
Madsen, Reva, ap-J ....Manti
Madsen, Virginia, ap-So ....Manti
Maeser, Georgia, G-ss ....Provo
Magleby, Burns E., e-F ....Monroe
Magleby, LeGrande, a-J ....Monroe
Mangelson, Farrin, e-So ....Levan
Mangum, Dixie K., ss ....Provo
Mangum, Jessie K., c-So ....Provo
Mangum, W. Lester, Sp ....Provo
Manwaring, Richard D., c-F ....Spanish Fork
Marchant, Moroni A., c-F ....Peoa
Markham, Ben S., a-So....Spanish Fork
Markham, Don C., a-So....Spanish Fork
Markham, Lynn C., fa-So ....Spanish Fork
Markham, Ruth H., ss..Salt Lake City
Marquardson, Max S., c-So ....Elsinore
Marsden, Althea, ap-F ....Cardston, Alta, Canada
Martin, Ila, ss ....Provo
Martin, James P., a-So ....Provo
Martin, Raymond, ss......Samaria, Ida.
Martin, William P., a-S ....Provo
Maughan, Mildred, ap-J ....Lava Hot Springs, Ida.
Maughan, Reed P., a-F ......Wellsville
Maw, Florence J., G-ss ....Provo
Maxwell, B. Alva, ss-c-S....Eagar, Ariz.
Maxwell, M. Eldridge, c-Un ....Eagar, Arizona
Maxwell, Walter K., ss..Phoenix, Ariz.
May, Chester H., c-F....Rupert, Idaho
Maycock, Esther, fa-S ....Springville
Maycock, John D., c-F..Salt Lake City
Meldrum, J. Robert, a-J ....Provo
Mellor, Ada S., ss-e-Un ....Provo
Melville, M. Naomi, c-J ....Salt Lake City
Memmott, Mary Ann, e-F ....Provo
Mendenhall, Ruth, c-F ....Springville
Mensel, Laura M., e-J ....Provo
Menzies, Charles W., G ....Provo
Menzies, Lila, a-F ....Provo
Mercer, Luana, c-So ....Bountiful
Merkley, Floyd R., c-J..Blackfoot, Ida.
Merkley, Harold E., a-J ....Salt Lake City
Merkley, Vearl L., c-F..Blackfoot, Ida.
Merrell, Wm. Alton, ap-J ....Vernal
Merrill, Alton D., e-F ....Provo
Merrill, Dave M., e-J ....Provo
Merrill, Douglas, fa-J ....Clifton, Ida.
Merrill, Edna J., ss-a-Sp ....Provo
Merrill, Eliza D., fa-Sp ....Provo
Merrill, Harrison J., G ....Provo
Merrill, Lydia S., G-ss ....Ogden
Merrill, Ruth, ss ....Ogden
Merrill, Vera M., ss-a-Sp ....Provo
Merrill, Vinton M., a-F....Preston, Ida.
Merrill, Virginia, ss........Preston, Ida.
Mickelsen, Evelyn M., a-Un ....Sanford, Colorado
Mickelsen, Lola, ap-F ....Draper
Mickelsen, Soren P., ss ....Echo
Mickelsen, Woodrow S., c-So....Draper
Miller, Ada H., G-ss......New York City
Miller, Alice L., ap-F ....Provo
Miller, Amy, c-F ....Salt Lake City
Miller, Barr C., ss-c-S ....Murray
Miller, Berniece, ss ....American Fork
Miller, Cutler R., a-So ....Provo
Miller, David E., a-J ....Syracuse
Miller, Wm. Elbert, c-J ....Provo
Miller, Karl A., G ....Provo
Miller, Marie, a-F ....Sanford, Colo.
Miller, Rella M., fa-F ....Hyrum
Millet, C. Wayne, c-J....Mesa, Arizona
Millet, Floyd W., e-S ....Mesa, Ariz.
Millburn, Ralph W., e-So ....Provo
Milliner, Darrel R., a-F ....Peoa
Miner, Evelyn, fa-So ....Springville
Miner, Helen F., c-J ....Fairview
Miner, Louie Jeanne, fa-F ....Fairview
Miner, Norma, fa-So ....Springville
Miner, Orson L., G-ss-G ....Fairview
Mitchell, Esther, ap-J ....Provo
Mitchell, J. Harry, c-S ....Eureka
Mitchell, Marjorie, fa-J ....Cedar City
Mitchell, May Louise, e-F ....Lehi
Mitchell, L. William, ss ....Provo
Mix, Josephine, e-So ....Magna
Molyneux, Norma E., e-F ....Mona
Moon, LaRetta M., ap-Sp ....Hanna
Moncur, Vern L., e-F ....Rupert, Idaho
Monk, Ralph W., a-F ....Spanish Fork

Monson, Jesse H., a-F ..Pleasant Grove
Moore, Clara A., ap-S ....Spanish Fork
Moore, W. Harvey, a-So..Spanish Fork
Moore, Leah, c-Sp ....Provo
Moore, Mabel, ss ....Fillmore
Moore, Samuel D. Jr., G-ss....Fillmore
Morgan, Fred D., a-F ....Nephi
Morgan, Gilbert L., a-So ....Provo
Morgan, Helen E., a-J ....Moore, Idaho
Morgan, Leo F., ss ....Eureka
Morgan, Vivian M., c-J ....Provo
Morley, Zelda L., ss-fa-J ....Moroni
Morrill, Gwen, ap-F ....Junction
Morris, Helen W., c-J....Pocatello, Ida.
Morris, Rachel B., fa-Sp ....Provo
Morrison, Lillian A., ss-fa-Sp ....St. George
Mortensen, Estella, ap-F ....Manassa, Colorado
Mortensen, Kenneth E., a-F ....Sanford, Colorado
Morton, Ermel J., a-F ....Mapleton
Moulton, Norma, e-F ....Heber City
Mower, Harold J., ss ....Fairview
Mower, John F., G-ss ....Provo
Mullins, Floyd E., c-F ....Provo
Murdock, Elroy, a-F ....Provo
Murdock, Ernest F., c-S ....Park City
Murdock, John R., a-F ....Heber City
Murdoch, Lucile Ann, G ....Salt Lake City
Murphy, J. Bud, e-S ....Salina
Murphy, Paul, a-So ....Upalco
Murray, Karl E., a-F ....Abraham
Murray, Lorna, ap-J ....Vernal
Musser, Fred P., a-F ....Myton
Myers, Champ, e-F ....Panguitch
Myers, LaPriel, fa-S ....American Fork

Neagle, Ione, ss ....Salt Lake City
Neagle, Pearl, e-So ....LaSal
Neagle, Vervene, e-J ....Toquerville
Nance, Lu Dema, ap-F ....Idaho Falls, Idaho
Nash, Ray E., a-F ....Vernal
Naylor, J. Alan, a-F ....Bountiful
Neilson, R. Clark, a-So ....Provo
Neilson, Inez H., ss ....Provo
Neilson, Mona, e-J ....Provo
Nelson, Amy E., c-F ....Smithfield
Nelson, Blanche, ss ....Provo
Nelson, Byron C., ss-e-S ....Montpelier, Idaho
Nelson, Charlie F., c-F ....Lynndyl
Nelson, F. Delmar, fa-S ....Pleasant Grove
Nelson, Dorothy, ss ....Downey, Ida.
Nelson, Dona, e-F ....Spanish Fork
Nelson, Carl Oscar, ss ....Payson
Nelson, Elmo A., a-So ....Upalco
Nelson, Eugene, fa-So ....Provo
Nelson, Evan G., fa-So ....Ferron
Nelson, Florence N., ap-Sp ....Provo
Nelson, Jay L., c-J ....Brigham City
Nelson, Jos. Call, ss ....Provo
Nelson, Kennith P., ap-F ....Ferron
Nelson, Leah, ss-a-S ....Spanish Fork
Nelson, Milton A., a-So ....Provo
Nelson, Owen R., e-F ....Draper
Nelson, Ronald W., c-F..Spanish Fork
Nelson, Roscoe M., a-F ....American Fork
Nelson, William L., c-Sp ....Salina
Nelson, Willard C., a-F ....Provo
Neslen, George Q., a-J..Salt Lake City
Ne Ville, Jessie, fa-So....Byron, Wyo.
Newell, Helen R., a-J ....Provo
Newell, Harry K., e-F ....Mona
Newell, Rulon D., ss ....Mona
Newton, Agnes, e-F ....Mona
Nicholes, Eleanor L., a-So ....Provo
Nicholes, Henry J., a-J ....Provo
Nicholes, Paul S., a-F Eagar, Arizona
Nickerson, Sarah, fa-F ....Grantsville
Nielson, Averil B., ap-J ....Ephraim
Nielson, Dallin S., fa-So ....Monroe
Nielson, Don, ap-S ....Mapleton
Nielsen, Douglas S., a-F ....Riverton
Nielsen, Emil K., ss-Sp ....Provo
Nielsen, Emily, a-Sp ....Provo
Nielsen, Lawrence, a-Un ....Riverton
Nielsen, Louise M., e-S ....Tooele
Nielson, Merrell L., ap-So..Springville
Nielson, Norris B., fa-F ....St. Anthony, Idaho
Nielson, H. Reed, a-So ....Monroe
Nielson, R. L., ss ....Roosevelt
Nisbet, Annice O., e-F ....Rupert, Ida.
Nisson, Antone W., a-J ....Washington
Nisonger, W. Max, a-J ....Provo
Norman, Catherine, a-Sp ....Provo
Norton, D. R., c-F ....Provo
Norton, M. Ronald, c-So ....Provo
Nuttall, Taylor C., a-F..Salt Lake City
Nuttall, Wilkins, ss-a-J ....Twin Falls, Idaho

Oakley, Bert T., a-F ....Provo
Oakley, Rosalind, a-Sp ....Provo
Oaks, Charles E., a-So ....Vernal
Oaks, Jessie A., fa-Sp ....Vernal
Oaks, Lynn E., a-F ....Vernal
Oaks, Nettie H., ss ....Vernal
O'Barr, Gus B., a-F ....Mesa, Arizona
Oborn, Rulon B., a-F ....Sandy
Ogden, McKay A., a-F ....Richfield
Ogden, Olive, a-F ....Richfield
O'Hare, Helen B., G-ss ....Eureka
Okelberry, Orval W., c-S ....Goshen
Oldroyd, Jay W., a-F ....Venice
Ollerton, Louise, c-So ....Provo
Olsen, Anna G., fa-Sp ....Provo
Olsen, Dean E., c-F ....Provo
Olsen, Donald P., fa-J ....Provo
Olsen, Eugene, ss ....Iona, Idaho
Olson, C. Garth, a-F ....Payson
Olsen, George A., ap-So ....Provo
Olsen, Joseph W., G-ss ....Moroni
Olsen, Marion J., a-So ....Provo
Olsen, Marvin E., ap-So ....

..........Pleasant Grove
Olson, Robert, c-J ....Provo
Orme, Sarah, ss ....Tooele
Orser, L. Stanley, a-F ....Roosevelt
Osmond, Marcia, G-ss ....Provo
Osmond, Nan, G-ss ....Provo
Osterloh, Fred E., a-F ....Lehi
Ott, James A., a-J ....Henrieville
Outzen, Clair, c-F ....Marysvale
Outzen, Lydia, c-F ....Marysvale
Owen, Jack, c-F ....Kenilworth
Owens, Darlene, c-So ....Provo
Owens, Nanieve, a-F ....Provo

Pace, Evelyn, a-So ....Boneta
Pace, Luella U., ap-Sp ....Provo
Pace, Udall W., a-J ....Provo
Pace, William D., ss-a-J ....Provo
Pack, Garrett C., a-F....Salt Lake City
Pack, Josephine R., a-Sp ....Provo
Packard, Hannah C., fa-Sp ....Provo
Packard, Tess C., ss-e-F....Springville
Page, Ailsa N., fa-S ....Ft. Duchesne
Page, J. Boyd, a-So ....Springville
Page, Faye, e-So ....Goshen
Page, Fred T., a-F ....Payson
Palfreyman, Grant E., c-F..Springville
Palfreyman, Warwick C., c-So ....Springville
Pardoe, Kathryn B., ss-fa-S ....Provo
Pardoe, F. Norma, ss-fa-So ....Provo
Park, Hugh W., ap-F ....Provo
Park, Lucille, a-F ....Sanford, Colo.
Park, Woodrow, a-F ....Sanford, Colo.
Parker, Charles J., G-ss ....Payson
Parker, Hobson E., c-F ....Provo
Parker, Karl G., c-F ....Joseph
Parker, Robert W., a-J ....Mount Airy, N. C.
Parkes, Vera Deane, e-So ....Nephi
Parkinson, Ann, fa-S ....Rexburg, Ida.
Parkinson, Berkley H., ap-F ....Rexburg, Idaho
Parkinson, Winnifred B., fa-F ....Lewiston
Parry, H. Dean, a-S ....Ogden
Parry, Roland C., ss-fa-Sp ....Ogden
Partridge, Carol, c-S ....Provo
Partridge, Josephine, ss..Cowley, Wyo.
Partridge, Lyman M., a-J ....Provo
Partridge, Miriam, c-F ....Provo
Patrick, Wallace W., a-F ....Springville
Paulson, Fred, ap-F ....Sanford, Colo.
Paxman, Achsa E., a-Sp ....Provo
Paxman, Annie S., ss-fa-Sp ....Provo
Paxman, Arthur A. ss ....St. George
Paxman, Beth, fa-So ....Provo
Paxman, Edith G., fa-S ....Provo
Paxton, Genevieve, c-J ....Kanosh
Payne, Albert L., c-So ....Provo
Payne, Bessie V., a-F ....Provo
Payne, E. Junius, c-F....Safford, Ariz.
Pearson, Anne, G-ss ....Brigham
Pearson, Irvin B., ap-S ....Oakley
Peart, Mearl C., e-So ....Randolph
Peay, Mildred, ap-F ....Spanish Fork
Pehrson, George A., a-So ....Magna
Penrod, Grant F., ss ....Provo
Penrod, Helen L., e-So ....Provo
Penrod, Max W., ss ....Provo
Percival, C. Guy, e-F ....Ioka
Perkins, Norma, a-So ....Monticello
Perrett, Barbara A., fa-So ....Idaho Falls, Idaho
Perry, Asahel A., ap-Sp ....Provo
Perry, Elgia B., ap-Sp ....Provo
Perry, Roland, a-F ....Provo
Petersen, Alma, ap-F ....Lehi
Peterson, Alton H., e-So ....Jensen
Peterson, Anna Lou, c-So ....Richfield
Peterson, Clara, c-F ....Provo
Peterson, Clayton O., ap-Un ....Sanford, Colorado
Peterson, Dean A., e-J ....Mt. Pleasant
Peterson, L. Elmer, G-ss ....Oasis
Peterson, E. Fay, ap-F ....Sanford, Colorado
Peterson, Fred E., fa-F ....Cowley, Wyoming
Peterson, Grethe, e-F ....Hinckley
Peterson, Howard, a-J ....Provo
Peterson, Ken J., c-S ....Manti
Peterson, H. Lester, G-ss ....Rexburg, Idaho
Peterson, Lloyd L., c-So ....Provo
Peterson, Louise, a-F ....Provo
Peterson, Lois, e-F ....Provo
Petersen, Mabel, ap-So....Burley, Ida.
Peterson, Madeline A., e-So..Richfield
Petersen, Margaret E., fa-So ....Mt. Pleasant
Peterson, Margaret O., e-S ....Aberdeen, Idaho
Peterson, Marian C., ap-F ....Richfield
Peterson, Mervin H., a-So ....Payson
Petersen, Nelda, e-So ....Hinckley
Peterson, Orson W., fa-J....Castle Dale
Peterson, Parlell G., e-J ....Provo
Petersen, Reed L., a-F ....Hyrum
Petersen, Reid, a-So ....Provo
Petersen, Twila, ap-F ....Burley, Idaho
Peterson, Virgil V., a-J ....Pleasant Grove
Peterson, Wanda, e-F..Snowflake, Ariz.
Phillips, Gene Y., e-Sp....Brigham City
Phillips, James T., c-F ....American Fork
Phillips, W. LaMarr, a-F ....Evanston, Wyoming
Phillips, Richard V., ap-So ....Brigham City
Pickering, Florence, c-F ....Payson
Pickup, Clair, c-F ....Vernal
Pierce, Ireta M., fa-J....ElPaso, Texas
Pierce, Norman C., G ....Springville
Pistole, Maydelle G., fa-So ....Las Vegas, Nevada
Pitcher, Walter H., a-J ....Cardston, Alta, Canada
Platt, Jerome V., c-Un ....

........................Brant, Alta., Canada
Polly, Ruth, fa-Sp ....Provo
Pond, Clair B., fa-F....Fairfield, Idaho
Pond, Roland S., a-F....Fairfield, Idaho
Porter, Adria R., fa-Sp ....Provo
Postma, Frank, fa-So ....Vernal
Poulson, Earle M., a-So ....Provo
Poulson, Elmo S., a-F ....Provo
Poulson, Lorna A., fa-So ......Richfield
Poulson, Verle E., e-F ....Redmond
Poulson, Vilo K., c-Un ....Provo
Powell, Leo, c-So ....Lehi
Powell, Marvin S., c-F ....Levan
Powell, Maurine, ss ....Levan
Powelson, Fred D., c-F ....Provo
Powelson, A. Marion, ss ....Provo
Pratt, Marjorie W., fa-Un ....Mt. Pleasant
Price, William J., c-J ....Lehi
Price, Dix W., ss ....Phoenix, Ariz.
Priday, Leland F., fa-So ....American Fork
Prince, Nedra, c-Un ....Provo
Prince, Rhoda R., ss ....Hurricane
Prior, David, e-F ....Spanish Fork
Probst, Cleopha R., G-ss......Escalante
Probst, Reed G., G-ss ....Escalante
Provost, E. Orval, a-F ....Midway
Prusse, Evelyn K., fa-F ....Provo
Pryde, William L., a-F..Salt Lake City
Pullen, Argene L., a-F ....Provo
Pullen, Everett J., a-So ....Provo
Pulsipher, Zella, ss ......Mesquite, Nev.
Purrington, Frances L., ss ....Ogden

Quinn, Geneva, ss ....Draper

Radmall, Vilace L., ap-So ....Pleasant Grove
Ralphs, Varian D., ap-F ....Ferron
Ralston, Mary, c-S ....Provo
Ramsbotham, Elizabeth, fa-Sp....Provo
Randall, Fern, ap-F ....Centerville
Randall, Glen L., c-So ....Pine, Ariz.
Rasband, Lincoln, ap-J ....Heber
Rasband, Mary, ss ....Heber
Rasmussen, Mabel, ss ....Mt. Pleasant
Rasmussen, Max A., ap-F ....Provo
Rasmussen, Levar S., ap-F ....Burlington, Wyoming
Rasmussen, Rulon S., ss-e-Sp..Fairview
Rasmussen, L. Ruth, e-F..Rupert, Ida.
Rawson, Aline, a-J ....Los Angeles, California
Rawson, LoRee, a-So ....Los Angeles, California
Redd, Anna P., a-Sp ....Provo
Redd, Bessie, a-F ....Monticello
Redd, Daryle, c-F ....Monticello
Redd, Kay B., a-Un ....Raymond, Alta., Canada
Redd, Maude, c-So ....Monticello
Redd, Sterling, c-F ....Blanding
Redd, P. Vincent, a-F ....Blanding
Redd, Edna L., a-J ......Sanford, Colo.
Reeder, Clara, ss ....Brigham City
Reeder, William H., a-F ....Ogden
Reese, Betty, ss ....Provo
Rees, Clifton A., ss ....Richfield
Reese, Dale, fa-So ....Payson
Reese, Eldon L., a-So ....Bloomington, Idaho
Reese, Margaret A., a-S ....Price
Reese, Rudolph P., a-S ....Provo
Reeve, Olive S., fa-J ....St. George
Reid, Barbara, e-So ....Orangeville
Reid, Clad, ap-F ....Sanford, Colorado
Reid, L. Elwin, fa-F ....Oakley, Idaho
Reid, Ernest L., ss ....Hinckley
Reid, Frederick W., ss ....Orangeville
Reinsch, Francis C., a-Sp ....Provo
Reiser, Albert H., G-ss..Salt Lake City
Reynolds, Allen C., G-ss......Circleville
Reynolds, Levi E., a-J ....Provo
Rice, Lucy, ap-So ....Farmington
Rich, Ada S., ap-Sp ....Provo
Rich, Clarence D., c-S ....Morgan
Rich, Ione, a-F ....Provo
Rich, Stella P., G-ss ....Provo
Richards, Beth, e-So....Montpelier, Ida.
Richards, Elaine M., e-F ....Oakley
Richards, Fred, G ....Pleasant Grove
Richards, Horace S., ss ....Salt Lake City
Richards, Kathryn W., ss ....Mapleton
Richards, Louise, fa-So ....Logan
Richardson, Don E., c-F ....Vernal
Richardson, Eldon L., a-F ....Benjamin
Richardson, Lynne G., a-F ....Provo
Richardson, Vernon L., G ....Provo
Richins, W. Dwaine, fa-So ....Burley, Idaho
Richins, Mary E., ap-Sp ....Provo
Ricks, Mary M., ss ....Rexburg, Idaho
Ricks, Ruby, a-So ....Idaho Falls, Idaho
Richmond, Dorothy, ss-e-S ....Provo
Ridges, Isabelle A., ap-F ....Salt Lake City
Rigby, Avard A., a-F ....Hinckley
Rigby, Florence P., ss ....Beaver
Rigby, Wendell M., G-ss ....Beaver
Riley, E. Clara, e-F ....Eureka
Ririe, Alice, fa-J ....Magrath, Alta., Canada
Rivers, Marie, ap-J ....Springville
Roberts, Beth A., a-So..Salt Lake City
Roberts, Kenneth D., a-F..Afton, Wyo.
Roberts, Murray K., fa-Un ......Provo
Roberts, Myrle L., ss ....Brigham City
Robertson, Doyle E., fa-F ....Fountain Green
Robertson, Marie, ap-Sp..Spanish Fork
Robertson, Wanda, ss ....Fountain Green
Robbie, Harry W., ap-J ....Provo
Robbins, Dorothy, fa-Sp ....Provo
Robbins, Kenith R., ss ....Scipio
Robinson, Don S., c-So ....American Fork

Rowe, Owen B., a-So ....Provo
Rowley, Edith, e-F ....Spring Glen
Rowley, George A., a-Sp ....Helper
Rowley, Herman M., a-F ....Provo
Rowley, LaRue, a-F ....Spring Glen
Rowley, Rinda, fa-So ....Provo
Royle, Homer F., a-F ....Lehi
Russell, Maurice W., c-F ....Provo
Russell, Reed, c-J ....Tooele
Russon, Ivy J., fa-F ....Lehi
Rust, Emma, ss ....Provo
Rust, Richard D., a-J ....Provo

Sabin, David V., c-F....Nampa, Idaho
Samuelson, Beatrice B., ss ....Santaquin, Utah
Sandgren, Edward A., c-Sp ....Urovo
Sanford, Hunt S., e-So....Richfield, Ida.
Sauer, Mable E., c-F ....Provo
Schlappi, Lloyd K., a-F ....Springville
Schmiett, Bennie, fa-F ....Midvale
Schofield, M. Dale, a-So ....Beaver
Schofield, Jay D., c-So ....Rupert, Ida.
Schofield, I. Mae, e-So ....Rupert, Ida.
Schofield, William U., ap-F ....Hiko, Nevada
Scorup, Edith, fa-F ....Salina
Scorup, Ellen, fa-So ....Salina
Scorup, Stena, G-ss-Sp ....Salina
Scott, Anna Deen, ap-So ....Provo
Scott, M. Deborah, fa-F ....Idaho Falls, Idaho
Scott, Edna, c-Sp ....Provo
Scott, Jenet, e-J ....Provo
Scott, Mark J., a-F ....Provo
Robinson, Elma, ss ....Provo
Robinson, Orpha, G-ss..American Fork
Robinson, Phyllis, e-J ....Provo
Robinson, Ruth, ss ....Provo
Robinson, Wendell, ss ....Spanish Fork
Robinson, Willis, G-ss ....Panaca, Nev.
Robison, Bertha B., ss-ap-S ....Baker, Nevada
Robison, Burle H., e-S ....Provo
Robison, Ione, fa-J ....Overton, Nev.
Rockwood, Oleah, ap-F..Salt Lake City
Rogers, Ofie J., ss ....Kanosh
Romer, Ruth, ap-So ....Brigham City
Romney, Archie B., ap-So ....Colonia Juarez, Chih., Mex.
Romney, Anton K., G ....Provo
Romney, Gretta P., ss ....Provo
Romney, Jennie, a-F ....Chicago, Ill.
Romney, Keith, c-So ....Silver City, New Mexico
Romney, Marguerite, fa-S ....Colonia Juarez, Chih., Mex.
Romney, Maurine, fa-J ....Chicago, Ill.
Romney, Miles A., a-F ....Colonia Dublan, Chih., Mexico
Roper, Rawlin, ap-F ....Oak City
Roskelley, Leota, a-J....El Monte, Calif.
Ross, Zephia C., a-J ....Galesburg, Ill.
Rowe, Francis, a-So ......Spanish Fork
Rowe, Marion L., a-F ....Provo

Scott, Melba, ss ....Provo
Scott, Stella, ap-So ....Charleston
Scott, G. Vernon, G-ss ....Provo
Schow, Elden C., a-J ....Lehi
Schow, Ila I., fa-F ....Lehi
Schow, Vera, e-F ....Panguitch
Schwieder, Arthur Wm., G-ss ....Iona, Idaho
Schwieder, Philip R., e-So ....Iona, Idaho
Searle, Lynn S., a-So....Spanish Fork
Seastrand, Genna Vee, ss ....American Fork
Seaton, Frances M., a-F ....Price
Seaton, Mary M., a-S ....Price
Seegmiller, Marjorie, c-J ......Richfield
Seely, Leola, ss ....Brigham City
Seethaler, Joseph, c-So ....Provo
Seiter, Erika E., a-J ....Provo
Selck, John R., c-F ....Provo
Sellers, J. Hugh, a-F ....Provo
Sessions, J. Wyley, G-ss ....Pocatello, Idaho
Shalfoon, Tony V., c-Un ....Opatiki, New Zealand
Shanks, Ednal, a-So ....Wells, Nev.
Shaw, Elizabeth D., ss ....Ogden
Shaw, John A., a-F ....Ogden
Shawcroft, Dee, ap-So ....LaJara, Colorado
Shawcroft, Maude, a-F ....LaJara, Colorado
Shelby, Frances V., fa-Sp ....Salt Lake City
Shelley, Fern E., fa-F..American Fork
Shelley, Sarah E., a-F..American Fork
Shepherd, Laura, G-ss....Spanish Fork
Shepherd, Lowell Ed., a-So ....Paris, Idaho
Shepherd, Weldon O., c-F ......Levan
Sheya, Emmaline D., c-Un ......Provo
Shields, Lloyd, ss-e-S ....Tooele
Shipp, Warren E., ap-S ....Beaver
Shipman, Edward, fa-F ....Provo
Shurtliff, Helen L., fa-F ....Salt Lake City
Sibbett, Edward H., G-ss ....Provo
Simmons, E. Dean, e-J ....Payson
Simmons, Dilworth, fa-Sp ....Provo
Simmons, Gerald, a-F ....Payson
Simmons, Grant, fa-Sp ....Los Angeles, California
Simmons, Guy W., e-F ....Los Angeles, California
Simmons, James A., fa-So ....Spanish Fork
Simpkins, Nedra, e-F ....Provo
Simpson, Grace E., e-J....Mt. Pleasant
Simpson, Margaret, c-So ....Mt. Pleasant
Sjoberg, Lillian H., fa-J ....Pleasant Grove
Skinner, Agnes C., ss ....Spanish Fork

Skinner, Grace, ss ....Beaver
Skinner, Lucille, e-J ....Provo
Skousen, Marvin, G ....Chandler, Ariz.
Smart, Herbert F., a-J ....Provo
Smart, Max Neff, G ....Provo
Smart, Rowles N., a-So ....Provo
Smeath, George H., e-F ....Provo
Smith, Alden, a-F ....Beaver
Smith, Alice M., c-J....Salt Lake City
Smith, Avera M., ss ....Provo
Smith, Earl T., a-S ....Beaver
Smith, Ervine, G ....Pleasant Grove
Smith, M. Foss, c-S ....Snowflake, Ariz.
Smith, Harold H., c-F..Snowflake, Ariz.
Smith, Helen J., G-ss..Pleasant Grove
Smith, Hyrum J., c-So....Salt Lake City
Smith, Jean, ap-F ....Pleasant Grove
Smith, Josephine A., c-J ....Salt Lake City
Smith, Julia O., ss ....Ogden
Smith, Justin M., G-ss-G ....Salt Lake City
Smith, Katherine T., fa-F ....Provo
Smith, LeRoy W., a-F..Pleasant Grove
Smith, Louise, ap-F....Salt Lake City
Smith, Margaret F., ss ....Salt Lake City
Smith, Marjorie, ss-e-So ....Provo
Smith, Marjorie B., c-F ....Elsinore
Smith, Phyllis, ap-F ....Lehi
Smith, Ruth I., e-F ....Provo
Smith, Sophronia, G ..Snowflake, Ariz.
Smith, Thales S., ap-F..Greybull, Wyo.
Smith, Virgil J., ss-e-S ....Lehi
Smith, Winifred, a-So..Salt Lake City
Smoot, Anita, e-F ....Provo
Snarr, Pearl, a-Sp ....Provo
Sneddon, Robert, a-F ....Provo
Snell, Alta H., fa-S ....Provo
Snell, Della, e-So ....Provo
Snell, Esmond E., a-J ....Provo
Snell, Hillman C., fa-J ....Provo
Snell, Iva R., e-Sp ....Provo
Snell, Maude, e-J ....Provo
Snell, Morris R., ap-S ....Provo
Snider, Cecil A., G ....Warsaw, Ill.
Snider, Mrs. C. A., G ....Warsaw, Ill.
Snow, Claude S., G ....Provo
Snow, Clyde E., fa-F ....Payson
Snow, Glenn E., G-ss ....Pine Valley
Snow, Hattie T., a-Sp ....Provo
Snow, Hortense, ap-S ....St. George
Snow, R. Thornton, e-Sp ....Provo
Snow, Wanda M., ss ....St. George
Snyder, Theron T., e-J ....Payson
Soffe, Orpha M., fa-F ....Sandy
Sorensen, Allen B., a-J..Spanish Fork
Sorensen, Edna, G-ss ....Logan
Sorenson, Emma B., a-Sp ....Mendon
Sorensen, Gladys, fa-F ....Malad, Idaho
Sorensen, Lewis W., ss ....Redmond
Sorensen, Virginia E., e-S ....Provo
Souter, Catherine, a-Sp ....Provo
Souter, Irma, ap-Sp ....Provo
Sowards, Beulah, e-So ....Provo
Sowards, Josephine, ap-J ....Provo
Sowards, Myrtle, ss-ap-S ....Provo
Sowards, Willa L., e-So ....Provo
Spear, Grace D., a-Sp ....Provo
Speckart, Frank R., G-ss ....Provo
Speckart, Ruth, ap-F ....Provo
Spencer, Alice, fa-J ....Paris, Idaho
Spencer, Ethel S., ss ....Provo
Spencer, Helen S., ss ....Provo
Spillman, Elizabeth, ss..Telluride, Colo.
Spilsbury, Arlington, c-So ..Cedar City
Spilsbury, Erwin R., G-ss ....Preston, Idaho
Spilsbury, LeGrande, a-J....Cedar City
Spotten, Mary, ss ....Sanford, Colorado
Stahmann, Mark, a-So ....Spanish Fork
Staker, Flossie R., ss ....Mt. Pleasant
Stallings, Hart L., a-So..Salt Lake City
Standring, Elsie M., ap-Un ....Sacramento, California
Staples, Paul W., fa-So ....Monroe
Stark, Anna E., G-ss ....Spanish Fork
Starr, Edna, ap-So ....Springville
Starr, Pearl, ss ....Springville
Steed, J. Owen, a-So ....Cardston, Alta, Canada
Steed, Max O., a-So ....Cardston, Alta, Canada
Steedman, W. Kenneth, ss-a-J ....Mammoth
Steele, Millie, ss-ap-J....American Fork
Steele, Ray D., ss ....Goshen
Steele, Stanford H., a-F ....American Fork
Steele, Veda B., e-So..Idaho Falls, Ida.
Stell, Robert, a-F ....Colonia Dublan, Chih., Mexico
Stephens, G. Sylvan, a-J ....Provo
Stephens, Kirk A., a-F ....Bayside, New York
Sterling, Len G., c-So....Spanish Fork
Stevens, Aurelia, a-F ....Blanding
Stevens, Marjorie, a-So ....Fillmore
Stevens, Ruth, e-So ....El Paso, Texas
Stewart, Clarence L., G-ss ....Mt. Pleasant
Stewart, Mary, a-Sp ....Provo
Stewart, Virginia, ss....Spanish Fork
Stice, Virgil E., a-F ....American Fork
Stimpson, J. Vernal, G-ss ....Nephi
Stoddard, Gail H., a-J..Oakland, Calif
Stoddard, George E., a-F ....Flushing, New York
Stoddard, Jean R., a-F..Salt Lake City
Stoker, Alta, fa-S ....Sugar City, Ida.
Stoker, Florence, ss ....Spanish Fork
Stokes, Katherine, e-So ....Midvale
Stokes, Wm. Lee, a-F ....Cleveland
Stokes, Lillian, a-So ....Midvale
Stolworthy, Rhea, ap-F ....Kirtland, New Mexico
Stone, Richard S., c-F ....Provo

Storrs, Joseph B., G-ss .... Flandreau, S. D.
Stott, Ruth, fa-Sp .... Meadow
Stowell, Edna M., fa-J .... Rexburg, Ida.
Stowell, Lucile C., ss .... Springville
Stowell, Rhoda, ap-S .... Provo
Strate, Fred C., G-ss .... Provo
Straw, Rex E., a-F .... Montpelier, Ida.
Street, C. Wilson, a-F .... Provo
Strickler, Fredona H., fa-So .... Ogden
Stringham, Dorothy M., ap-F .... Vernal
Strong, Erma M., fa-Sp .... Alpine
Strong, Jay, a-J .... Springville
Strong, Leon M., G-ss .. Sugar City, Ida.
Strong, Mabel H., ss .. Sugar City, Ida.
Strong, Roy A., a-So .... Springville
Stucki, Ether J., e-J .... Santa Clara
Sudweeks, Lucy B., ap-Sp .... Provo
Summerhays, John W., ss .... Salt Lake City
Summerhays, Margaret, ss .... Salt Lake City
Summers, Helen, e-S .... Provo
Summers, M. Jean, a-F .... Provo
Sumsion, Howard C., ap-So .... Springville
Sumsion, Merlene, ss .... Springville
Sundwall, C. Arthur, a-F .... Fairview
Sundwall, Harry W., ss-e-S .. Fairview
Sundwall, Katherine, a-J ...... Fairview
Sutherland, Rex L., fa-So .... Springville
Sutton, Lois A., c-F .... Provo
Sutton, Roy V., a-F .... Kemmerer, Wyo.
Swallow, Golden N., e-So .... Ely, Nev.
Swensen, Albert D., a-F .... Provo
Swensen, Elizabeth, a-S .... Pleasant Grove
Swenson, Calvin H., a-F .... Pleasant Grove
Swenson, Francis M., a-Un .... Provo
Swenson, Helen N., fa-F .... Bancroft, Idaho
Swenson, Joseph C., c-J .... Provo
Swenson, Louise, G-ss .... Provo
Swenson, Margaret D., G-ss ...... Provo
Swenson, Martha T., ap-J .... Spanish Fork
Swensen, Mildred W., ap-J .... Pleasant Grove
Swenson, Shirl, fa-F ...... Spanish Fork
Sylvester, Ruth R., a-F .... Eureka

Taggart, Bernice, ss .... Ogden
Taggart, Renold L., fa-F .... Salt Lake City
Talbot, Phyllis L., e-So .... Hinckley
Talmage, John R., a-J .. Salt Lake City
Tangren, Zola, ss .... Moab
Tanner, Colvin R., fa-F .... Payson
Tanner, Gilbert L., a-J .... Provo
Tanner, Glade R., ap-F .... Salem
Tanner, J. Sherman, a-Un .... Provo
Tanner, Wilmer W., a-F ...... Fairview
Taylor, Ada, e-J .... El Paso, Texas
Taylor, Albert R., a-Sp .... Provo
Taylor, Alta H., ap-Sp .... Provo
Taylor, Celestia J., ap-Sp .... Provo
Taylor, Clarence D., c-J .... Provo
Taylor, Delenna R., a-S-ss .... Provo
Taylor, Ethel R., G .... Provo
Taylor, Fenton W., G .. Thatcher, Ariz.
Taylor, J. Golden, c-So .... Spokane, Washington
Taylor, Herbert W., a-So .... Ontario, California
Taylor, G. Hal, a-F .... Provo
Taylor, O. Kenneth, c-So .... Provo
Taylor, Lamar A., c-J .... El Paso, Texas
Taylor, Margaret, ss-fa-J .... Salt Lake City
Taylor, Mary J., G .... Provo
Taylor, Mattie, e-F .... Spokane, Wash.
Taylor, Maurine G., a-Sp .... Provo
Taylor, Mennell H., ap-F .... Colonia Dublan, Chih., Mexico
Taylor, Nadine L., fa-So .... Provo
Taylor, Pearl, ap-J .... Salt Lake City
Taylor, Preston N., a-S .... Banida, Ida.
Taylor, H. Rex, c-S .... Levan
Taylor, Rosalind, fa-F .... Kirtland, New Mexioc
Taylor, Weldon J., c-S .... Provo
Tea, LeGrande, a-F .... Riverton
Teerlink, Virginia, fa-F .... Salt Lake City
Tervort, Wilma, e-J .... Payson
Tew, Wm. T., G-ss .... Mapleton
Thiriot, Joseph E., ss-Sp .... Hiko, Nev.
Tholen, Margaret, fa-F .... Sandy
Thomas, David G., G-ss .. Salt Lake City
Thomas, David W., c-F .... Spanish Fork
Thomas, L. Dean, a-F .... Spanish Fork
Thomas, Grace, e-F .... Heber
Thomas, Jack, a-F .... Scofield
Thomas, Keith, a-F .... Provo
Thomas, Rex T., a-F .... Provo
Thompson, Blaine, ss .... Wattis
Thompson, Blodwen M., a-F ...... Provo
Thompson, George C., a-J .... St. George
Thomson, Ralph D., ss-a-J .... Ephraim
Thorne, Charles J., a-So .... Pleasant Grove
Thorne, J. Roe, a-So .... Springville
Thornock, N. Dean, fa-Sp .... Bloomington, Idaho
Thornock, Owen D., a-S .... Bloomington, Idaho
Thornton, J. Max, e-F .... Delta
Thornton, J. Read, c-S .... Provo
Thorpe, Blaine F., ap-F .... Springville
Thorpe, Morris C., a-F .... Provo
Thurber, Vera B., ap-Sp .... Provo
Thurgood, Alda, c-F .... Provo
Thurston, Harold, fa-Un .... Salt Lake City
Thurston, Miriam, e-So .... Salt Lake City
Tidwell, Bert, e-F .... Wellington

Tingey, Tula, ss ....Evanston, Wyo.
Tippets, Don H., ap-F ....Lovell, Wyo.
Tippets, Lucile, c-F ....Lovell, Wyo.
Tippetts, Reid M., c-F ....Delta
Tobler, Mildred, e-So ....Bunkerville, Nevada
Toboz, Benny, e-F ....Los Angeles, California
Todd, Florence, fa-F ....Midvale
Todd, George H., c-So ....Mesa, Ariz.
Tolman, Dorothy O., e-F ....Salt Lake City
Tonks, Warren, ss ....Ashton, Idaho
Tonks, Zara H., ss ....Ashton, Idaho
Towers, Esther V., G ....Eureka
Tregeagle, Delbert V., G ....Provo
Tregeagle, Phyllis R., G ....Provo
Tucker, J. Glen, e-J ....Oakland, Calif.
Tucker, James Dean, c-F ....Provo
Tuft, Harold, a-F ....Provo
Tuft, Max S., a-F ....Monroe
Turner, Floy L., ss ....Monroe
Turner, Marjorie, e-F ....Kaysville
Turpin, Marlow I., a-F ....Magna
Tuttle, Lawrence D., ss ....Provo
Tyler, Clark, a-Un ....Provo

Ungricht, S. LaVerne, c-J ....Salt Lake City
Udall, J. Nicholas, a-So..Phoenix, Ariz.

Vacher, Clarence, G ....Provo
Van Alfen, Nicholas, e-J ....Ogden
Vance, Cyril L., ss-Sp ....Provo
Vance, S. Lloyd, c-So ....Provo
Vance, E. Merle, e-S ....Provo
Vance, Morris R., c-So ....Provo
Vance, R. Wendall, a-S ....Provo
Van Cott, Frank A., ss-G ....Salt Lake City
Van Cott, Le Roy B., c-J-ss ....Salt Lake City
Van Cott, Helen M., G-ss ....Salt Lake City
Van Wagenen, Birdie, a-Sp ....Provo
Van Wagenen, Fay E., a-J ....Provo
Van Wagenen, Dean, c-So ....Provo
Van Wagenen, Harold E., c-S ....Provo
Verney, John W., e-Un......Mesa, Ariz.
Vernon, Wm. M., ss ....Provo
Vest, Edwin T., ss-e-S ....Ogden
Vest, H. Grant, G-ss-G ....American Fork
Vest, Niles L., a-J ....Payson
Vest, Orpha J., ss ....Neola
Vest, Thelma P., e-J ....Payson
Vickers, Reva, fa-F ....Nephi
Villett, Brent B., a-F ....Lewiston
Voorhees, Lorna T., G ....Manti
Voorhees, Stanley R., a-F ....Gunnison

Wadley, LaVere, G-ss..Pleasant Grove
Wagers, Marjorie J., e-F ....Roosevelt
Wagner, Ann V., a-Sp ....Provo
Waite, LeRoy, a-F ....Arco, Idaho
Wakefield, G. Bruce, e-J....Huntington
Wakefield, John H., G ....Provo
Waldo, Vern H., c-F....Salt Lake City
Waldram, LuDeen, fa-F ....Sugar City, Idaho
Waldram, Ruth, ap-J ....Sugar City, Idaho
Walker, Bernard S., c-S ....Pleasant Grove
Walker, Ellen, ap-F....American Fork
Walker, Fay H., a-F ....Raymond, Alta., Canada
Walker, J. Harris, a-J ....Raymond, Alta., Canada
Walker, Jess R., c-J....Pleasant Grove
Walker, Muriel, ap-J....Pleasant Grove
Walker, Paul K., Sp ....Nephi
Walker, Virginia, ss ....Pleasant Grove
Wall, Jason A., a-F ....Goshen
Walton, James E., c-Un ....Pocatello, Idaho
Wangsgard, Spence, e-F ....Ogden
Ward, Marguerite, e-F ....Preston, Ida.
Ward, Voss J., e-F ....Riverside
Wardle, Ferrel F., a-F ....Roosevelt
Warner, Berenice, a-S ....Grace, Idaho
Warner, Clifford E., c-J..Spanish Fork
Warner, Max, a-J ....Provo
Warnick, Carl G., ss-c-S ....Provo
Warnick, Clara B., a-Sp ....Provo
Warnick, Effie, G ....Pleasant Grove
Warnick, Erma, a-F ....Provo
Wasden, Howard, ss....Las Vegas, Nev.
Washburn, H. Clyde, a-J ....Provo
Washburn, DeMonte, fa-So ....Monroe
Washburn, V. Fred, a-So ....Provo
Washburn, Jesse A., ss-e-Sp ....Provo
Washburn, Kenneth, ap-F ....Kirtland, New Mexico
Washburn, Myrl, e-So ....Draper
Washburn, Roland, a-F ....Provo
Watkins, Barbara, e-F ......Tremonton
Watkins, Beth, e-F ....Tremonton
Waters, Moniece, ap-So..Spanish Fork
Waters, J. Vaur, e-J......Spanish Fork
Watson, Erva I., ap-F....Mesa, Arizona
Watson, Eva I., ap-F ....Mesa, Arizona
Watts, Weldo W., c-F ....Lynndyl
Weaver, Regina, fa-F....Whitney, Ida.
Webb, Fred N., G ....Provo
Webb, Harold J., c-F ....Provo
Webb, Ina T., G-ss ....Provo
Webb, John H., e-J......American Fork
Weber, Gerald, ap-F ....Freedom, Wyo.
Wedge, Virgil, c-So ....Caliente, Nev.
Weeks, Helen, ss ....Pleasant Grove
Weight, Bert H., e-J ....Provo
Weight, Karl R., c-J ....Springville
Weight, Nellie E., ss-Sp ....Springville
Welch, Helen, fa-F ....Cowley, Wyo.
Wells, Allen T., ss-a-S ....Lehi
Wells, Claire, G-ss-G ....Lehi
Wentz, Lorna C., fa-So ....Provo

Wentz, Monta, G-ss ....Provo
Wentz, Myrl, G-ss ....Provo
Western, Mary G., ss ....Deseret
Westover, LaVada, e-So....Mesa, Ariz.
Wheeler, Ellen, fa-Sp ....Springville
Wheeler, Helen, e-So ....Springville
Wheeler, Melvern S., a-F..Salida, Colo.
Wheeler, Ray D., a-F....Mitchell, Neb.
Whelan, Mabelle, ss ..Wadsworth, Nev.
Whetstone, M. Lucile, ss..Lovell, Wyo.
Whetten, Kate A., ss-fa-J ....Provo
Whetten, Lester B., G-ss-G ....Provo
Whitaker, Susan M., ss-a-J ....Provo
White, M. Dean, fa-So ....Morgan
White, Deleen, fa-S ....Morgan
White, F. Fay, fa-Sp ....Provo
White, Faye, e-S ....Payson
White, George A., c-J ....Beaver
White, Josephine, e-J ....Beaver
White, Lois, ss ....Beaver
White, Sara, ap-So ....Morgan
White, Weston W., ap-F ....Provo
Whiteley, Alicebeth, fa-So ....Oakley, Idaho
Whiting, Quinn A., ss ....Mapleton
Whiting, Ray, G ....Springville
Whiting, W. Verl, c-So ....Springville
Whiting, Wanda, e-F ....Wallsburg
Whitlock, Royal, ss ....Axtell
Whitman, Jay, e-J ....Lehi
Whitman, Laurence S., ss ....Grand Junction, Colorado
Whitney, Delmar A., fa-Un ....Brigham City
Whitney, Lavina, ap-So ....Las Vegas, Nevada
Whittle, Cyril M., ss-Sp....Preston, Ida.
Whitwood, Ernest G., ss..Spanish Fork
Whitwood, Kenneth, a-So ....Spanish Fork
Wightman, Burnis W., c-So ....Payson
Wignall, J. Earl, c-So ....Provo
Wignall, J. Lloyd, a-So ....Payson
Wilcox, Carlyle W., ss ....Pioche, Nev.
Wilcox, Frank R., ss ....Caliente, Nev.
Wilde, Roberta V., fa-F ....Iona, Idaho
Wilkinson, Elva A., ss-a-Sp ....Ogden
Wilkinson, Glen A., ss ....Ogden
Willard, Roswell B., a-S ....Phoenix, Ariz.
Willey, R. DeVerl, ss-G-Sp ....Byron, Wyoming
Willey, Ivan, a-J ......Byron, Wyoming
Williams, Alberta, a-S ....Morgan
Williams, Annie R., ss ....Ogden
Williams, A. Berlin, a-F ....Provo
Williams, Jean, ss ....Provo
Williams, Lacy, c-F ....Provo
Williams, Lloyd B., fa-J ....Provo
Williams, Mifflin H., a-F....Malad, Ida.
Williams, Phyllis, e-F ....Price
Williams, Russell S., ss ....Columbia
Williams, J. Walter, ap-So ....Emery
Williamson, David O., a-J ....Pleasant Grove
Wilson, Antoinette I., e-So ....Salt Lake City
Wilson, H. Carma, e-F ....Roosevelt
Wilson, Dale, e-S ....Payson
Wilson, Don C., a-J ....Panguitch
Wilson, Harvey H., c-F ....Richfield
Wilson, Howard, ss ....Payson
Wilson, Jesse E., ss-e-J ....Provo
Wilson, Mabel, e-So ....Provo
Wilson, O. Meredith, ss-a-S ....Provo
Wilson, Mona, c-F ....Roosevelt
Wilson, Rebecca, e-Un ....Panguitch
Wilson, Ronald L., a-F ....Holbrook, Arizona
Wilson, Woodrow S., a-F ....Provo
Wilson, Clarence G., G ....Nephi
Wilson, Florence M., e-F ....Nephi
Wing, John H., G ......American Fork
Wing, Sherman W., a-J ....American Fork
Winn, Eden L., ss ....Manti
Winn, Norman F., G-ss ....Tooele
Winterton, Olive E., ap-J ....Provo
Winterton, Zelma E., G ....Provo
Winzenried, Wayne A., a-F ....Byron, Wyoming
Wiscombe, Leland M., c-So ....Provo
Wiscombe, Lucille A., ap-Sp ....Provo
Wiscombe, J. Reed, a-F ......Roosevelt
Wiscombe, J. Ronald, e-S ....Roosevelt
Witney, Norma, ap-F ......Springville
Wolfley, Annie, ss ....Etna, Wyo.
Woffinden, Leta M., e-F..Spanish Fork
Wood, Karl C., ap-F ....Monticello
Wood, Lynne K., ss-a-So ....Helper
Wood, Merrill E., fa-J ....Farmington
Woodland, Kathryn, e-S ....Arimo, Ida.
Woodward, Don W., fa-F ....Price
Woodward, Emily T., G-ss-G ....Provo
Woodward, Jack E., a-F....Salida, Colo.
Woodward, Reta A., ap-F....Wells, Nev.
Woolf, Anthony D., a-So ....Provo
Woolf, DeVoe, G-ss-Sp..Salt Lake City
Woolf, Golden L., e-S ....Magrath, Alta., Canada
Woolley, H. Alexander, c-F ....Randlett
Woolston, Harold W., G-ss-G ......Lehi
Wootton, Marlowe V., a-F ....Blackfoot, Idaho
Workman, German B., ss ....Neola
Workman, Nellie E., ss ....Delta
Worsley, Helen B., ap-J ....Provo
Worthen, Vernon, G-ss ....St. George
Wride, Leon D., c-F ....Benjamin
Wright, Addie M., G ....Provo
Wright, Albert H., a-J ....Malad, Idaho
Wright, Beth A., c-Sp ....Provo
Wright, T. Donald, a-J ....Pleasant Grove
Wright, Frank W., c-So ....Midvale
Wright, Glade M., a-S ....Hinckley
Wright, Lynne A., c-J ....Provo

Wright, Rosella, ap-F ....Hinckley
Wright, Verl, ap-F ....Provo

Yancey, Lowell J., ap-F ....Blackfoot, Idaho
Yarbrough, Maurine, fa-J ....Ogden
Yates, Huish F., c-J ......Salt Lake City
Yorgason, Robert R., e-S ....Burlington, Wyoming
Young, Amy M., ss-fa-F ....Colonia Juarez, Chih., Mex.
Young, Cecile V., ap-Sp ....Colonia Juarez, Chih., Mex.
Young, Clifford E., a-F..American Fork
Young, Clyn, e-F ....Blanding
Young, Delbert H., ap-J ....Provo
Young, Edith, a-S ......American Fork
Young, Erma, e-F ....Heber City
Young, W. Ernest, e-S-ss ....Colonia Juarez, Chih., Mex.
Young, Helen, ap-So ....American Fork
Young, Loyd L., a-J ....Blanding
Young, Newel K., G-ss ....Richfield
Young, Rhoda J., ap-S ....Idaho Falls, Idaho
Young, Sylvia, e-F ....Heber City
Young, Thelma, e-So ....Tucson, Ariz.
Young, Theodore K., c-So ....Idaho Falls, Idaho

Zabriskie, Arthur I., c-J ....Provo
Zabriskie, Louise, c-F ....Provo
Zeyer, Erwin F., c-F ....Melba, Idaho
Zobell, Jerry, a-F ....Castle Gate
Zobell, Kate, a-Sp ....Provo
Zumbrunnen, Naomi V., e-So..Coalville

Summary of Students for 1933-34

Graduates	114	
Seniors	191	
Juniors	316	
Sophomores	383	
Freshmen	729	
Specials	213	
Unmatriculated	60	2006
Summer School 1933:		
Graduates	157	
Other University Students	373	530
Correspondence and Extension Students		550
Secondary Training School:		
Senior High School	78	
Junior High School	61	139
Elementary Training School		256
		3481
Less those counted more than once		251
Number receiving institutional credit		3230

Accounting and Business Administration 95
Administrative Officers 6
Admission 53
Agronomy 71
Alpha Kappa Psi 43
Animal Husbandry 75
Art 79
Associated Students 38
Associated Women Students 38
Awards 45
Beta Beta Beta 44
Block "Y" Club 39
Blue Key 44
Board of Trustees 4
Botany 85
B. Y. U. Women's Organization 44
Calendar 5
Chemistry 89
Church School Officers 4
Classification of Students 55
Clothing and Textiles 149
Clubs and Societies 39
College of Applied Science 64
College of Arts and Sciences 64
College of Commerce 66
College of Education 66
College of Fine Arts 69
Commerce 95
Committees, Standing 25
Corresponding Courses 248
Course Divisions 54
Courses of Instruction 71
Credits 55
David Starr Jordan Biology Club 40
Dean of Women 49
Departmental Organizations 40
Departments of Instruction 33
Delta Phi 41
Discipline 48
Drama League, The 41
Drawing 172
Economics 103
Education 107
Educational Administration 107
Election of Studies 54
Elementary Education 114
Elementary School Faculty 255
Endowments 36

Engineering 174
English 127
Entomology 239
Enrollment of Students 272
Extension Division, The 242
Faculty 7
Faculty Fine Arts Club 44
Faculties, L. D. S. Institutes and Seminaries 27
Fees 34
Finance and Banking 98
Foods and Nutrition 152
Fraternities, National 43
French 179
French, German and Spanish Clubs 41
Gamma Phi Omicron 41
General Requirements 53
Geology and Geography 138
German 176
Graduate Club 42
Graduate School 59
Graduates 264
Graduation 56
Greek 184
Group Requirements 58
Hebrew 184
History of University 30
History 143
Home Economics 149
Home Economics Club 41
Horticulture 159
Household Administration 155
Instrumental Music 188
Italian 183
Journalism 135
Landscape Architecture 162
Latin 183
Leadership Week 247
Library 49, 164
Literary Club, The 42
Loan Funds 37
Lyceum 70
Major and Minor Requirements 58
Marketing 100
Master Degree Requirements 60
Mathematics 165
Mechanic Arts 168
Mechanics 168
Medical Director, Function of 48
Modern and Classical Languages 176

Music 185
Non-Student Organizations 44
Office Practice 101
Organization of University 33
Phi Delta Phi 44
Philosophy of Education 118
Phonetics 184
Physical Education 192
Physics 201
Political Science 205
Pre-Engineering Course 65
Pre-Medical Course 65
Pre-Legal Course 65
Presidents' Club 39
Psychology 209
Psychology Club 42
Refunds 36
Religious Education 214
Scholarships 45
Scholarship Honors 62
Secondary Education 122
Secondary School Faculty 255
Secondary School Curriculum 255
Senior High School Courses 260
Social Unit Organization 39
Sociology 224
Spanish 182
Special Scientific and Art Collections 51
Speech 229
Student Expenses 35
Studio Guild 42
Summer Session 69
Summary of Students 293
Tau Kappa Alpha 43
Theory of Music 185
Theta Alpha Phi 43
Training Schools 67, 255
Vocal Music 191
Y Chemical Society, The 43
Yeshara 43
Young Commerce Club 42
Zoology and Entomology 235